

## 1 - Comp, Loc.: Control modules - Vehicle Rear

### 1.1 Overview of Control Modules

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2 - Comfort System Central Control Module -J393-

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4 - Fuel Pump (FP) Control Module -J538-

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5 - Rear Lid Control Module -J605-

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6 -

Rear lid motor 1 -V444- / Rear lid motor 2 -V445- , Avant

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9 - Parking Aid Control Module -J446-

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9 - Parallel Parking Assistance Control Module -J791-

and Connectors [⇒ page 14](#)

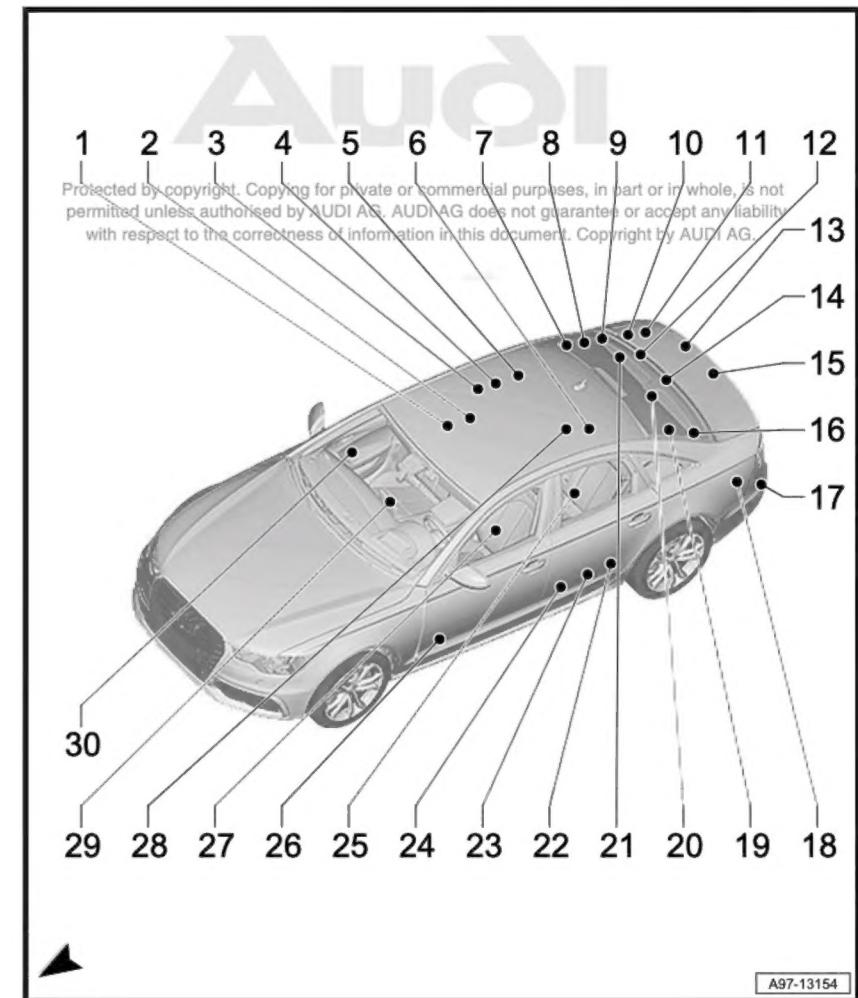
9 - Amplifier for Telephone -R86-

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and connectors, from model year 2015 [⇒ page 66](#)

10 - Auxiliary Heater RF Receiver -R64-

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15 -  
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## 18 - Amplifier for Telephone -R86-

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## 19 - Engine Sound Generator Control Module -J943-

- and Connectors, models with Hybrid Drive, from July 2017 [⇒ page 33](#)
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## 20 - All-Wheel Drive Control Module -J492-

- and Connectors [⇒ page 17](#)

## 20 - Telematics Interface Control Module -J1221-

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## 20 - Telephone/Telematics Control Module -J526-

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- and Connectors, models without Hybrid Drive [⇒ page 32](#)
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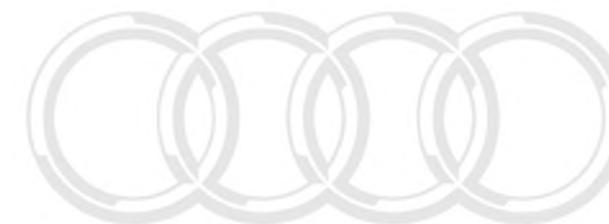
## Rear A/C Display Control Head -E265-

- Components: -E128-, -E129-
- and Connectors [⇒ page 26](#)

## 28 -

## Roof shade control module -J394-

- Components: -V260-
- and Connectors [⇒ page 38](#)



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29 - Peripheral Camera Control Module -J928-

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30 - Front Passenger's Door Control Module -J387-

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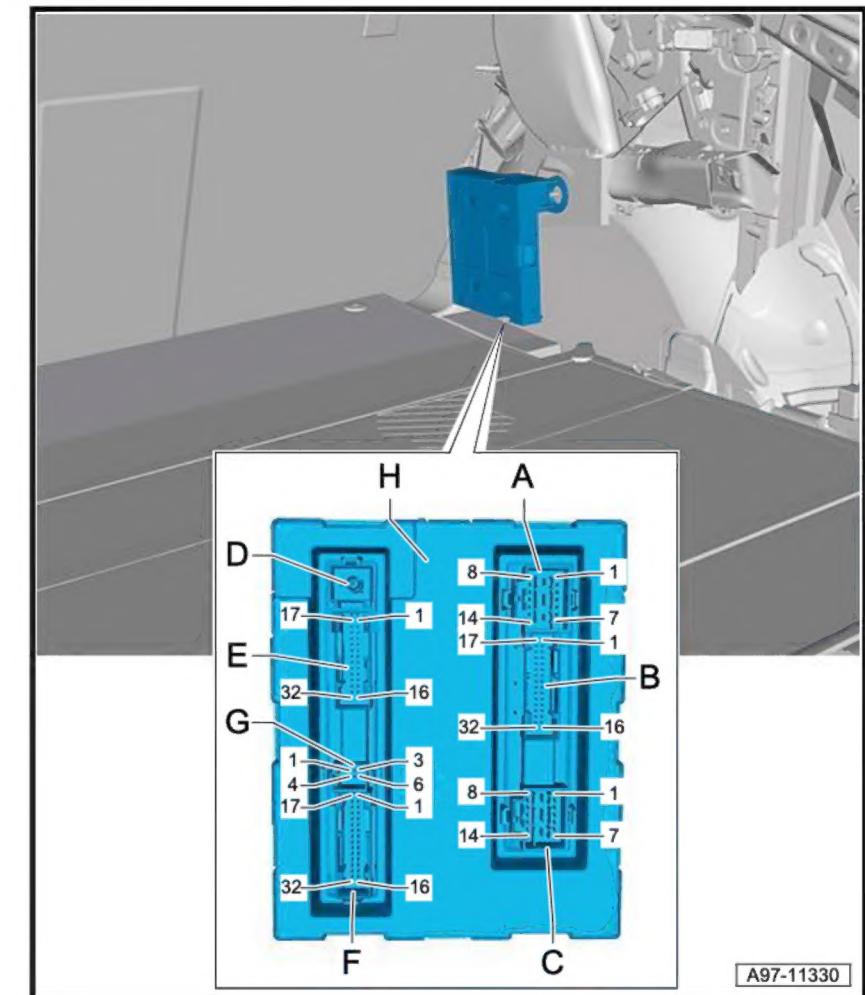
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## 1.2 Comfort System Central Control Module -J393-

In right luggage compartment, on wheel housing -H-

- A - 17-Pin Connector -T17s- , black
- B - 32-Pin Connector -T32i- , black
- C - 17-Pin Connector -T17r- , brown
- D - 2-Pin Connector -T2co- , Connector Central Locking and Anti-Theft Alarm System Antenna -R47-
- E - 32-Pin Connector -T32g- , gray
- F - 32-Pin Connector -T32h- , blue
- G - Not used
- H - Comfort System Central Control Module -J393-



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### 1.3 Rear Lid Control Module -J605- , Sedan

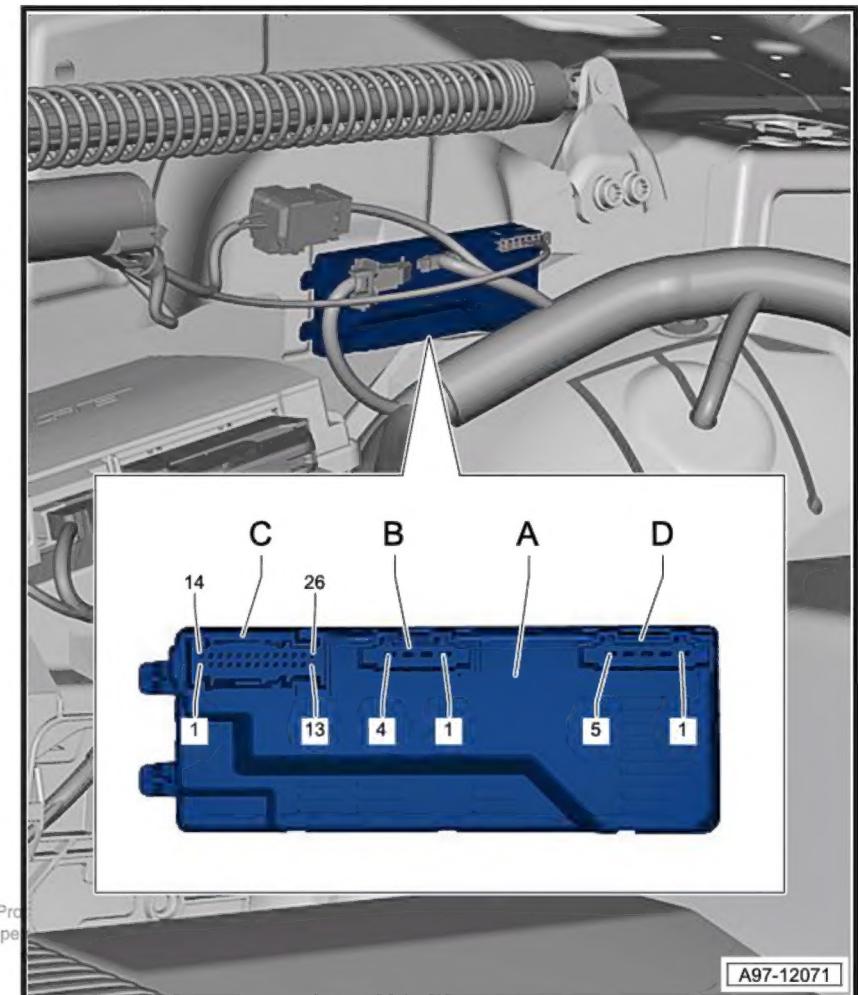
In left luggage compartment, on wheel housing -A-.

A - Rear Lid Control Module -J605-

B - 4-Pin Connector -T4bx- , black

C - 26-Pin Connector -T26b- , black

D - 5-Pin Connector -T5ae- , black, Rear lid motor 1 -V444- , Rear lid motor 2 -V445-



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#### 1.4 Rear Lid Control Module -J605- , Avant

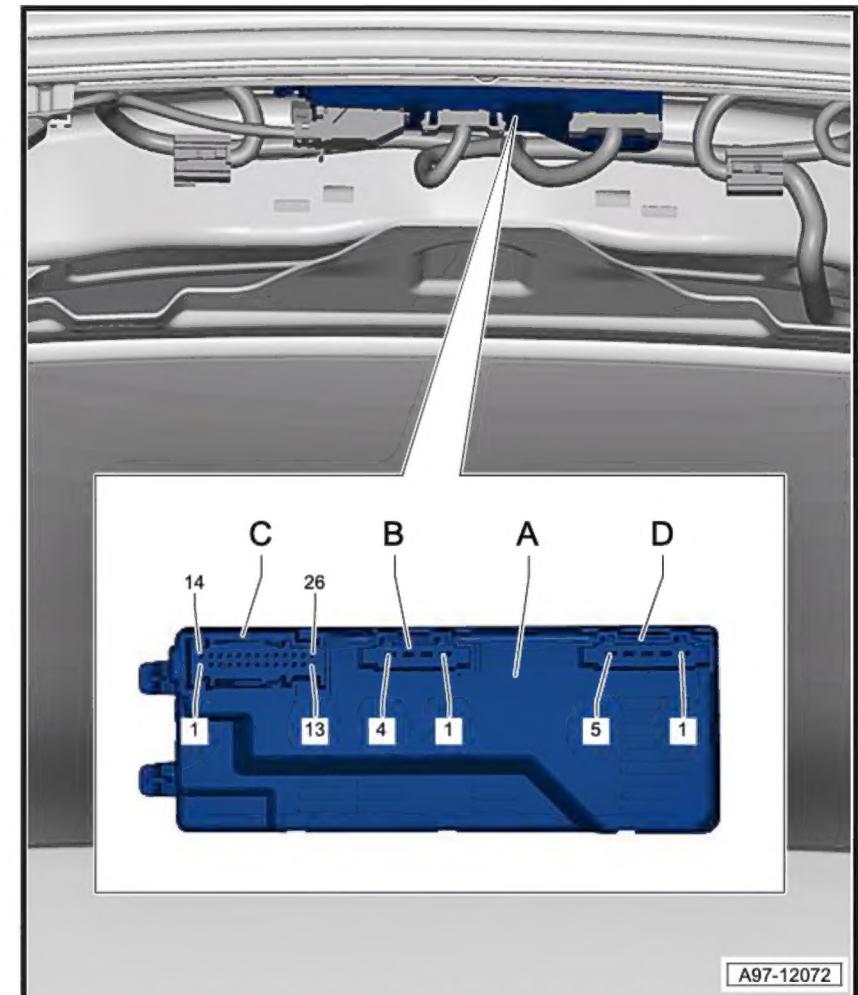
On upper centre of rear lid cutout -A-.

A - Rear Lid Control Module -J605-

B - 4-Pin Connector -T4bx- , black

C - 26-Pin Connector -T26b- , black

D - 5-Pin Connector -T5ae- , black



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## 1.5 Rear lid motor 1 -V444- / Rear lid motor 2 -V445- , Avant

On upper left of rear lid cutout -2- and right -1-.

### 1 - Rear lid motor 2 -V445-

- in direction of trafe, right
- with Coupling in rear lid motor 2 -N528-

### 2 - Rear lid motor 1 -V444-

- in direction of trafe, left
- with Rear Lid Closed Sensor 1 -G525- , Rear Lid Closed Sensor 2 -G526- , Coupling in rear lid motor 1 -N527-

### A - 5-Pin Connector -T5ah-

- Through model year 2014

### A - 6-Pin Connector -T6ck-

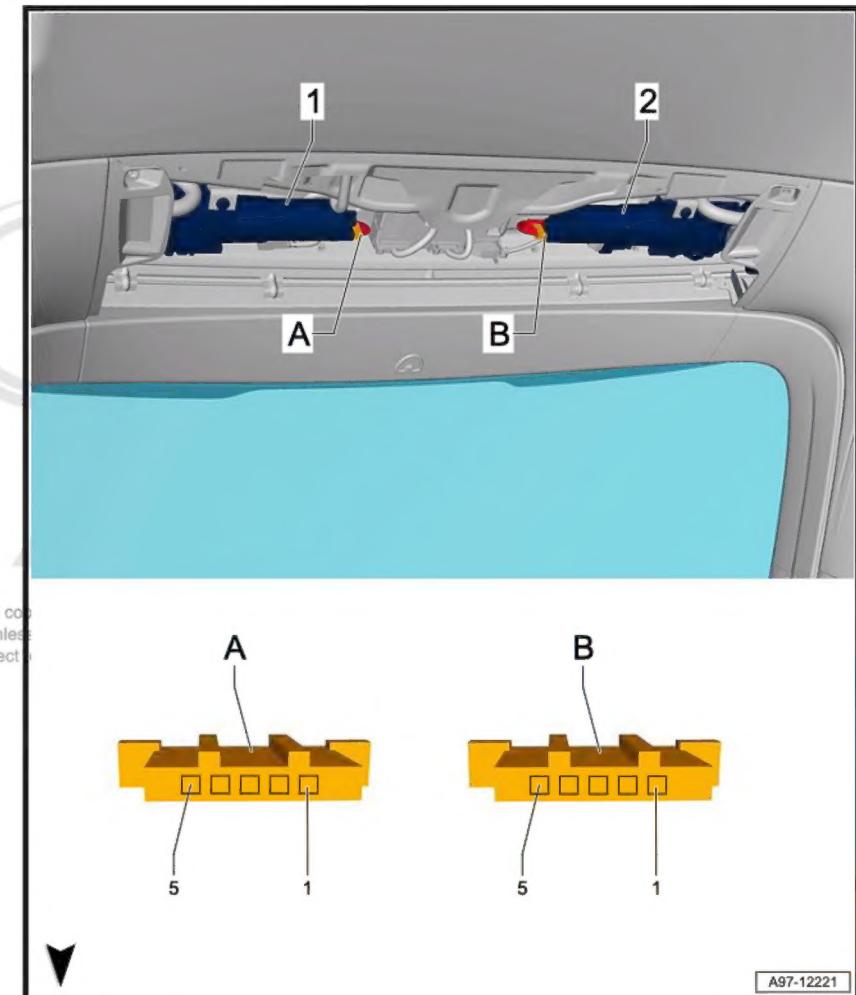
- from model year 2015

### B - 5-Pin Connector -T5r-

- Through model year 2014

### B - 6-Pin Connector -T6ci-

- from model year 2015



Pin Arrangements Rear lid motor 1 -V444- / Rear lid motor 2 -V445-, through model year 2014

-T5ah- (A)	Designation	-T5r- (B)	Designation
1	Rear Lid Control Module -J605-	1	Rear Lid Control Module -J605-
2		2	
3		3	
4		4	
5	Rear Lid Control Module -J605-	5	Rear Lid Control Module -J605-

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Pin Arrangements Rear lid motor 1 -V444- / Rear lid motor 2 -V445-, from model year 2015

-T6ck- (A)	Designation	-T6ci- (B)	Designation
1		1	Rear Lid Control Module -J605-
2		2	Rear Lid Control Module -J605-
3	Rear Lid Control Module -J605-	3	Rear Lid Control Module -J605-
4		4	Rear Lid Control Module -J605- Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.
5		5	Rear Lid Control Module -J605-
6	Rear Lid Control Module -J605-	6	Rear Lid Control Module -J605-

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## 1.6 Towing Recognition Control Module -J345-

In right luggage compartment, behind side panel trim

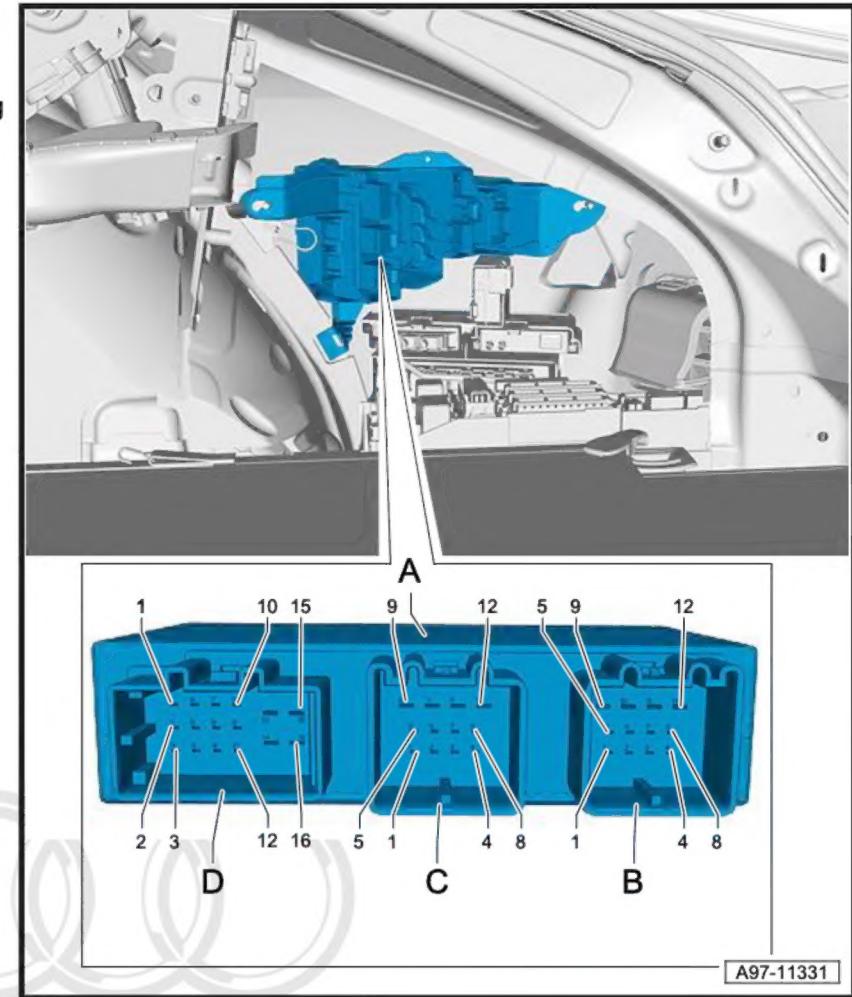
Pin Arrangements, through model year 2014

A - Towing Recognition Control Module -J345-

B - 12-Pin Connector -T12n-, blue, Trailer Coupling -Locked- Indicator Lamp -K226-, Trailer Coupling -Unlocked - Indicator Lamp -K227-

C - 12-Pin Connector -T12m-, red

D - 16-Pin Connector -T16h-, black, to Trailer Socket -U10-, Lock Bolt Contact Switch -F355-



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## Pin Arrangements, from model year 2015

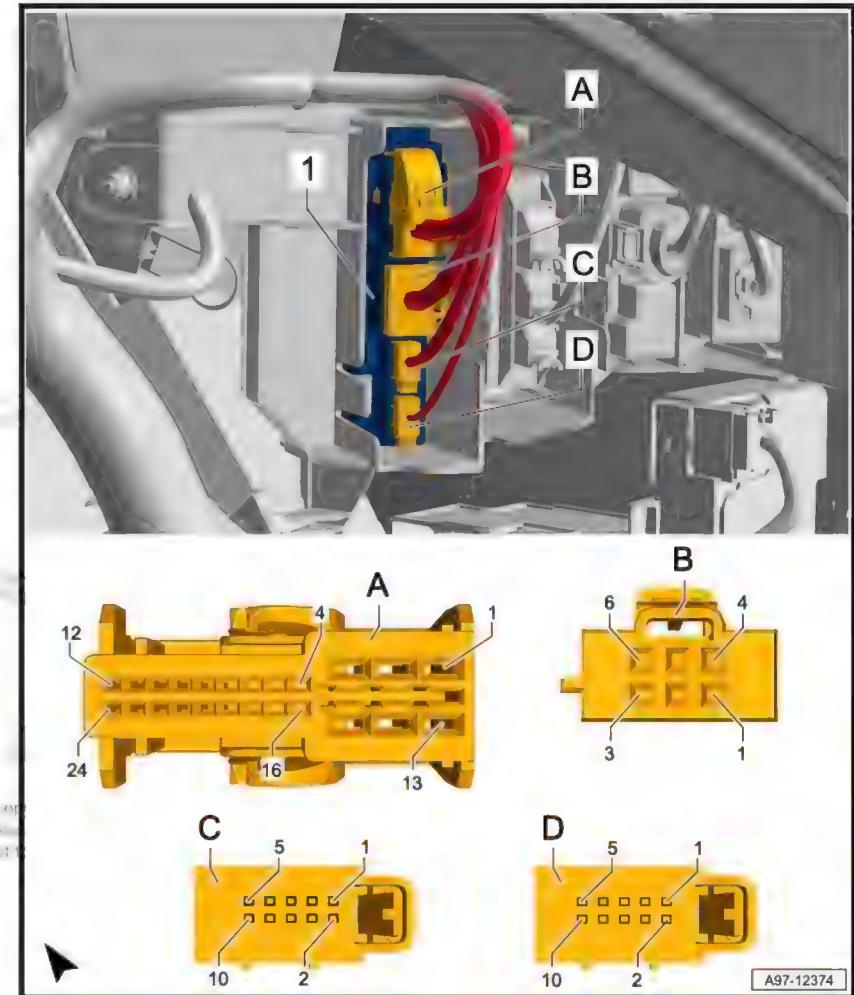
1 - Towing Recognition Control Module -J345-

A - 24-Pin Connector -T24a-, black

B - 6-Pin Connector -T6ce-, black

C - 10-Pin Connector -T10bh-, black

D - 10-Pin Connector -T10bi-, red



## Pin Arrangements Towing Recognition Control Module -J345-

-T24a- (A)	Designation	-T24a- (A)	Designation
1	Trailer Socket -U10- 13-Pin Connector -T13a-	13	
2	Trailer Socket -U10- 13-Pin Connector -T13a-	14	

-T24a- (A)	Designation	-T24a- (A)	Designation
3	Trailer Socket -U10- 13-Pin Connector -T13a-	15	Trailer Socket -U10- 13-Pin Connector -T13a-
4		16	
5	Lock Bolt Contact Switch -F355-	17	
6		18	Trailer Socket -U10- 13-Pin Connector -T13a-
7	Lock Bolt Contact Switch -F355-	19	Trailer Socket -U10- 13-Pin Connector -T13a-
8		20	
9		21	
10	Lock Bolt Contact Switch -F355-	22	
11		23	Trailer Socket -U10- 13-Pin Connector -T13a-
12	Trailer Socket -U10- 13-Pin Connector -T13a-	24	Trailer Socket -U10- 13-Pin Connector -T13a-

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## 1.7 Parking Aid Control Module -J446-

In right luggage compartment, behind side panel trim -A-.

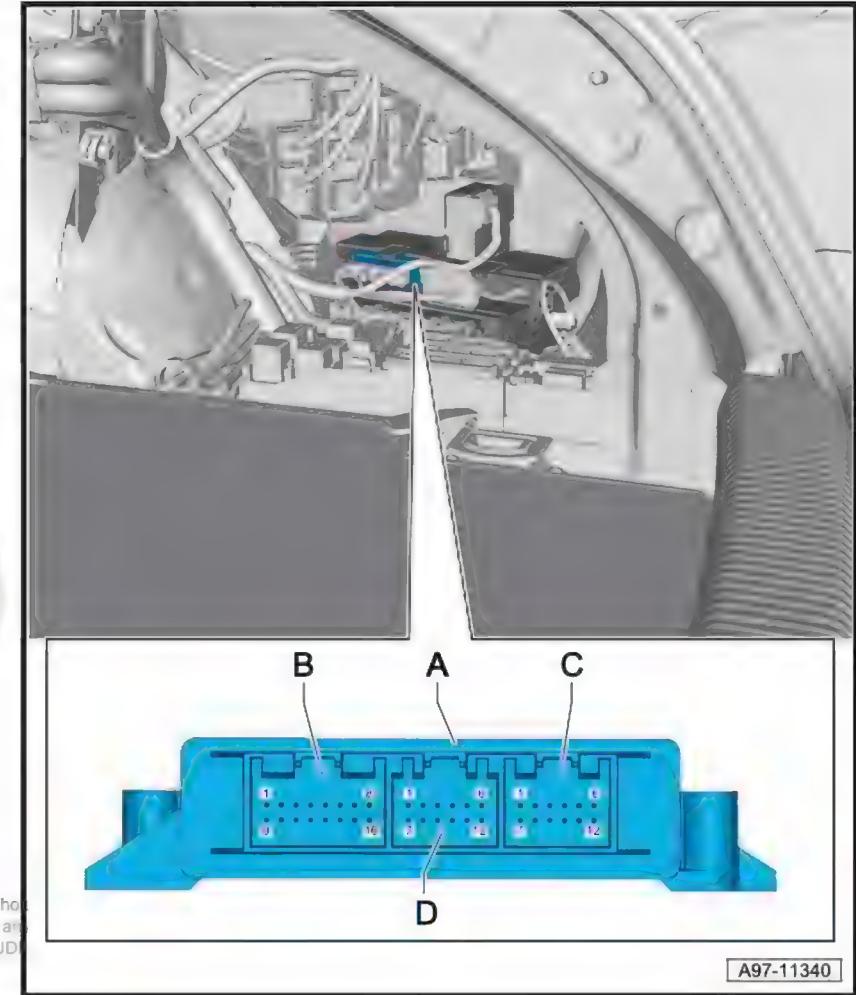


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- A - Parking Aid Control Module -J446-
- B - 16-Pin Connector -T16i-, brown
- C - 12-Pin Connector -T12w-, black
- D - 12-Pin Connector -T12q-, brown



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## 1.8 Parallel Parking Assistance Control Module -J791-

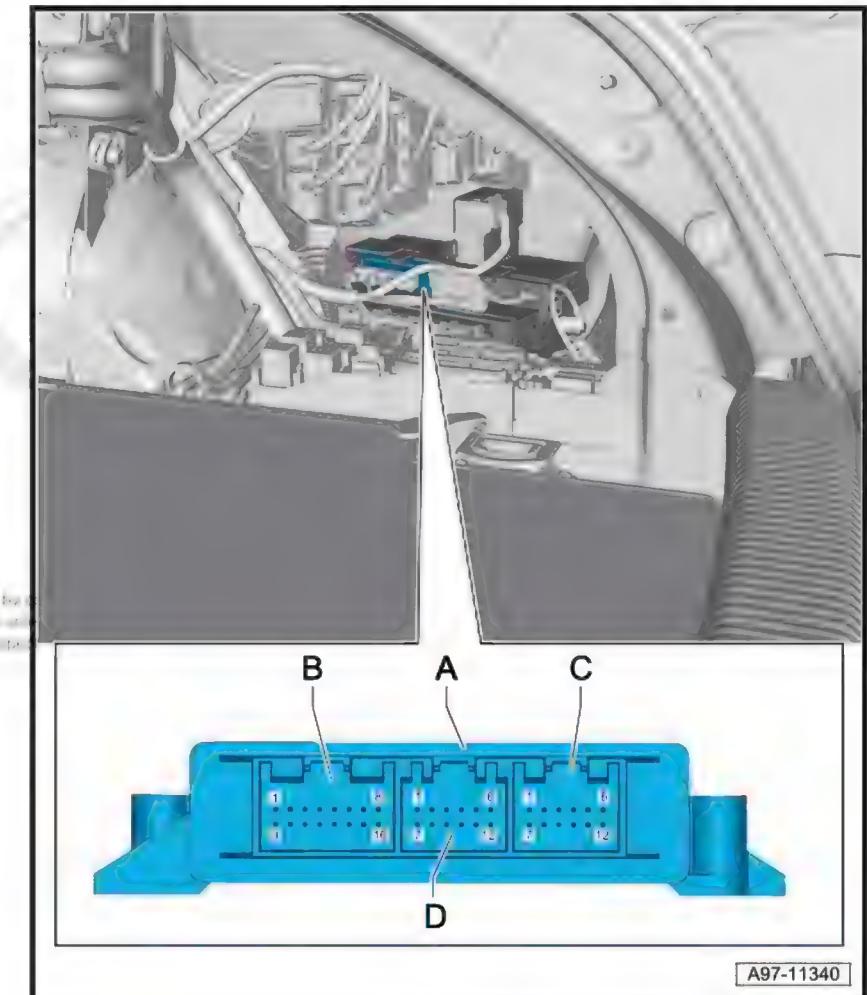
In right luggage compartment, behind side panel trim -A-.

A - Parallel Parking Assistance Control Module -J791-

B - 16-Pin Connector -T16i-, brown

C - 12-Pin Connector -T12w-, black

D - 12-Pin Connector -T12q-, brown



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## 1.9 Level Control System Control Module -J197-

In right luggage compartment, behind side panel trim -1-.

A - Level Control System Control Module -J197-

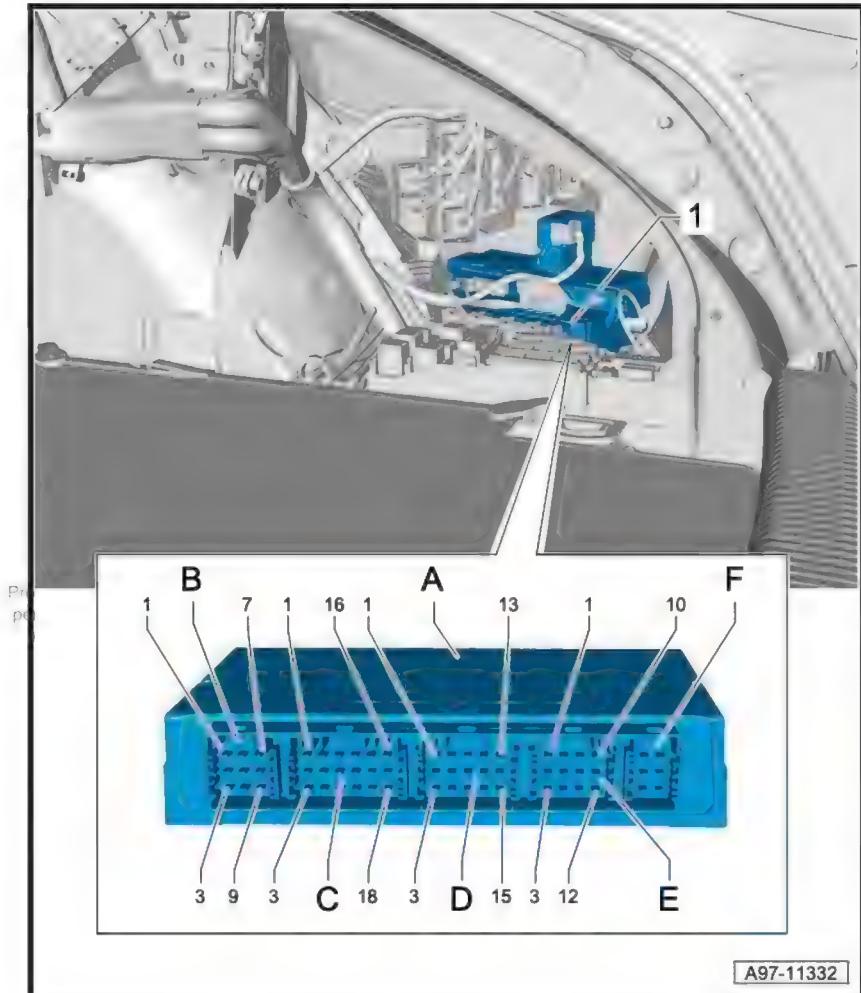
B - 9-Pin Connector -T9a- , gray

C - 18-Pin Connector -T18a- , gray

D - 15-Pin Connector -T15a- , purple

E - 12-Pin Connector -T12r- , green

F - 6-Pin Connector -T6w- , blue



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## 1.10 Electronic Damping Control Module -J250-

In right luggage compartment, behind side panel trim -1-.

A - Electronic Damping Control Module -J250-

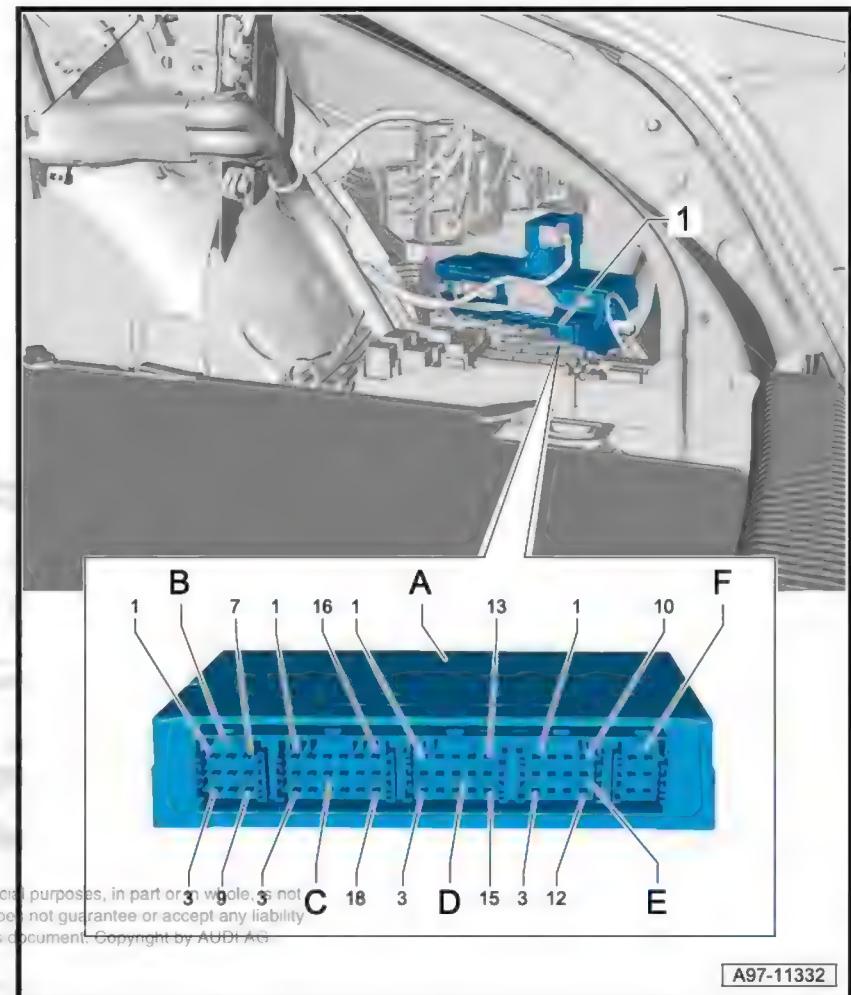
B - 9-Pin Connector -T9a- , gray

C - 18-Pin Connector -T18a- , gray

D - 15-Pin Connector -T15a- , purple

E - Not used

F - Not used



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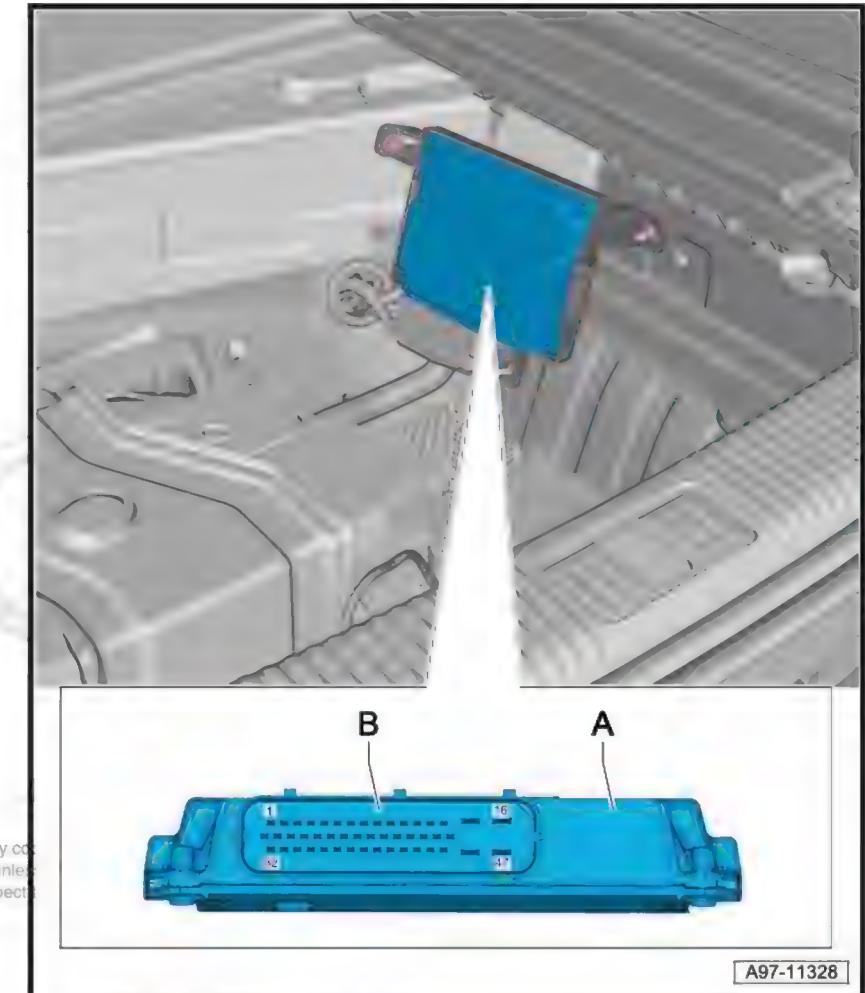
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### 1.11 All-Wheel Drive Control Module -J492-

In right luggage compartment, in luggage compartment well -A-.

A - All-Wheel Drive Control Module -J492-

B - 47-Pin Connector -T47a- , black



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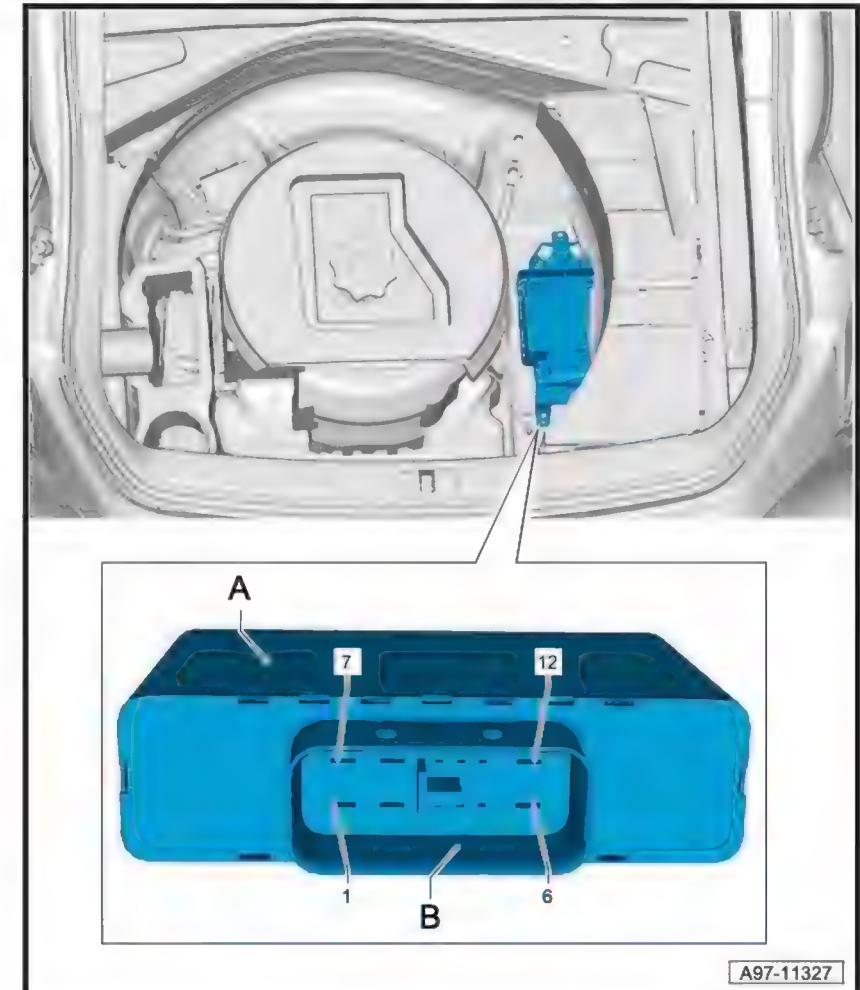
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### 1.12 Voltage Stabilizer -J532-

In right luggage compartment, in luggage compartment well -A-.

A - Voltage Stabilizer -J532-

B - 12-Pin Connector -T12p-, black



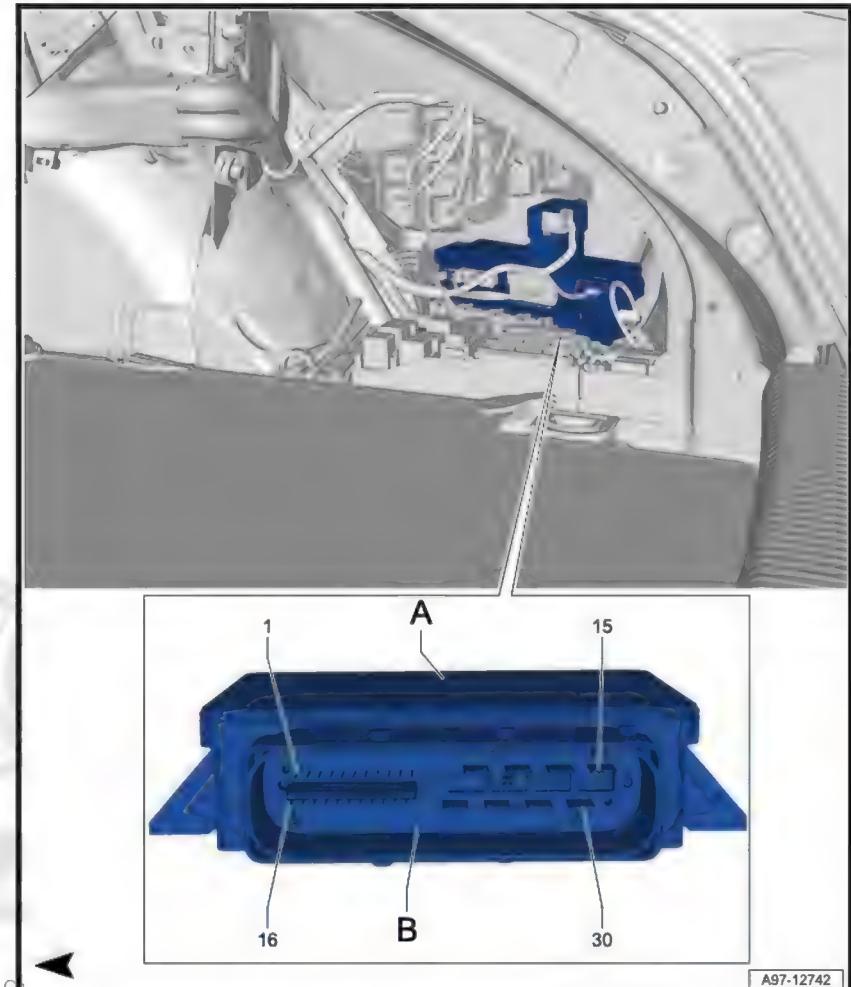
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### 1.13 Electro-Mechanical Parking Brake Control Module -J540-

In right luggage compartment, behind side panel trim -A-.

A - Electro-Mechanical Parking Brake Control Module -J540-

B - 30-Pin Connector -T30a-, black



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## 1.14 Left Rear Door Control Module -J388-

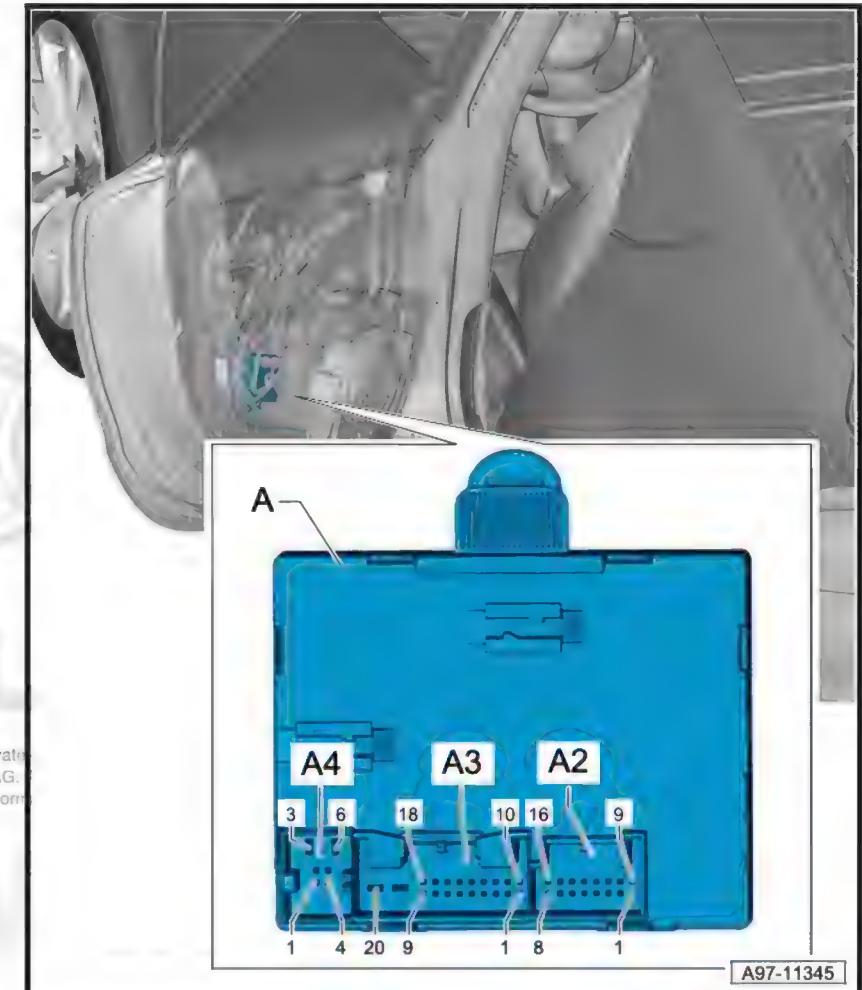
In left rear door -A-.

A - Left Rear Door Control Module -J388-

A2 - 16-Pin Connector -T16n-, black

A3 - 20-Pin Connector -T20g-, black

A4 - Not used



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## 1.15 Right Rear Door Control Module -J389-

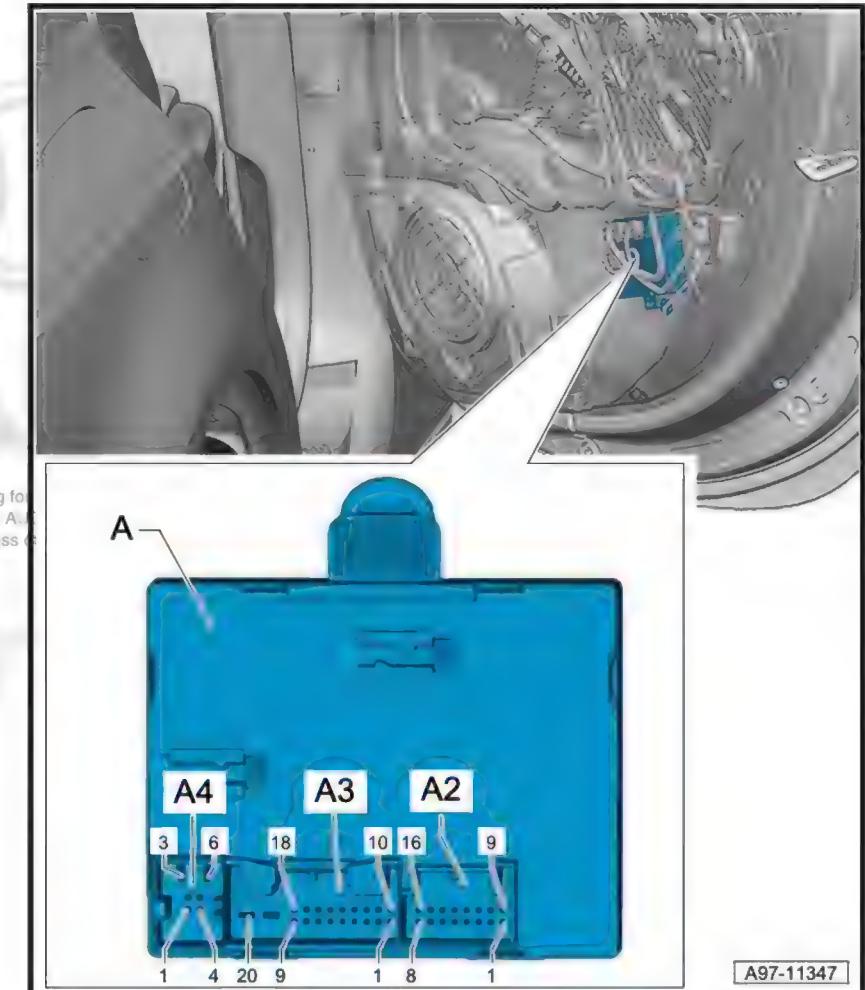
In right rear door -A-.

A - Right Rear Door Control Module -J389-

A2 - 16-Pin Connector -T16o- , black

A3 - 20-Pin Connector -T20h- , black

A4 - Not used



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## 1.16 Driver's Door Control Module -J386-

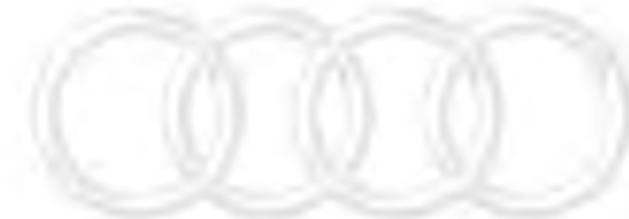
In front left door, left-hand drive.

In front right door, right-hand drive.



Note

*Illustration shows left-hand drive.*

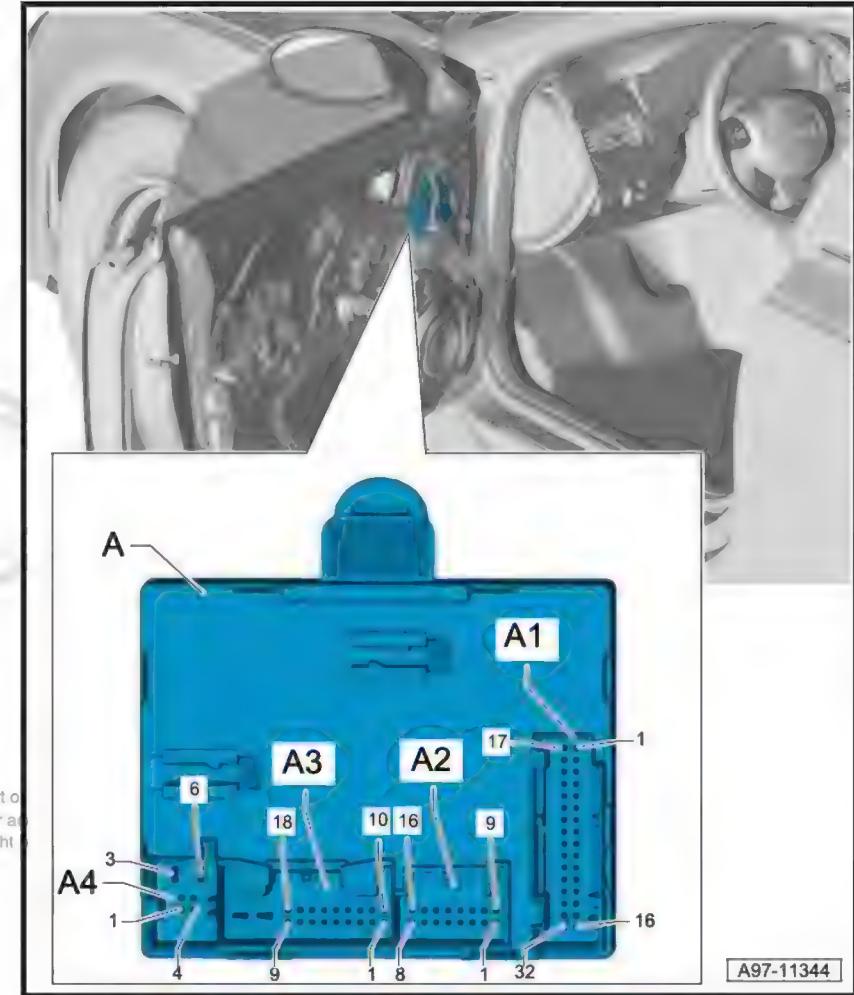


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ertion

- A - Driver's Door Control Module -J386-
- A1 - 32-Pin Connector -T32k-, blue
- A2 - 16-Pin Connector -T16l-, black
- A3 - 20-Pin Connector -T20e-, black
- A4 - 6-Pin Connector -T6as-, black



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### 1.17 Front Passenger's Door Control Module -J387-

In front right door, left-hand drive.

In front left door, right-hand drive.



Illustration shows left-hand drive.

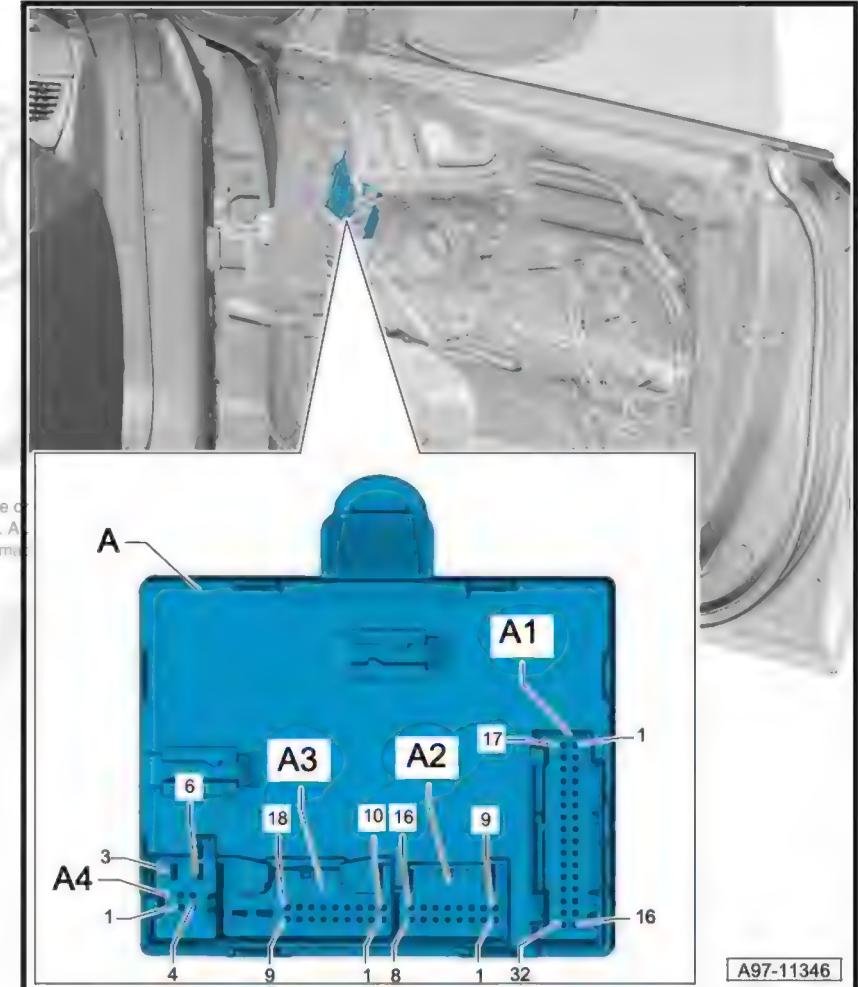
A - Front Passenger's Door Control Module -J387-

A1 - 32-Pin Connector -T32I-, blue

A2 - 16-Pin Connector -T16m-, black

A3 - 20-Pin Connector -T20f-, black

A4 - 6-Pin Connector -T6at-, black



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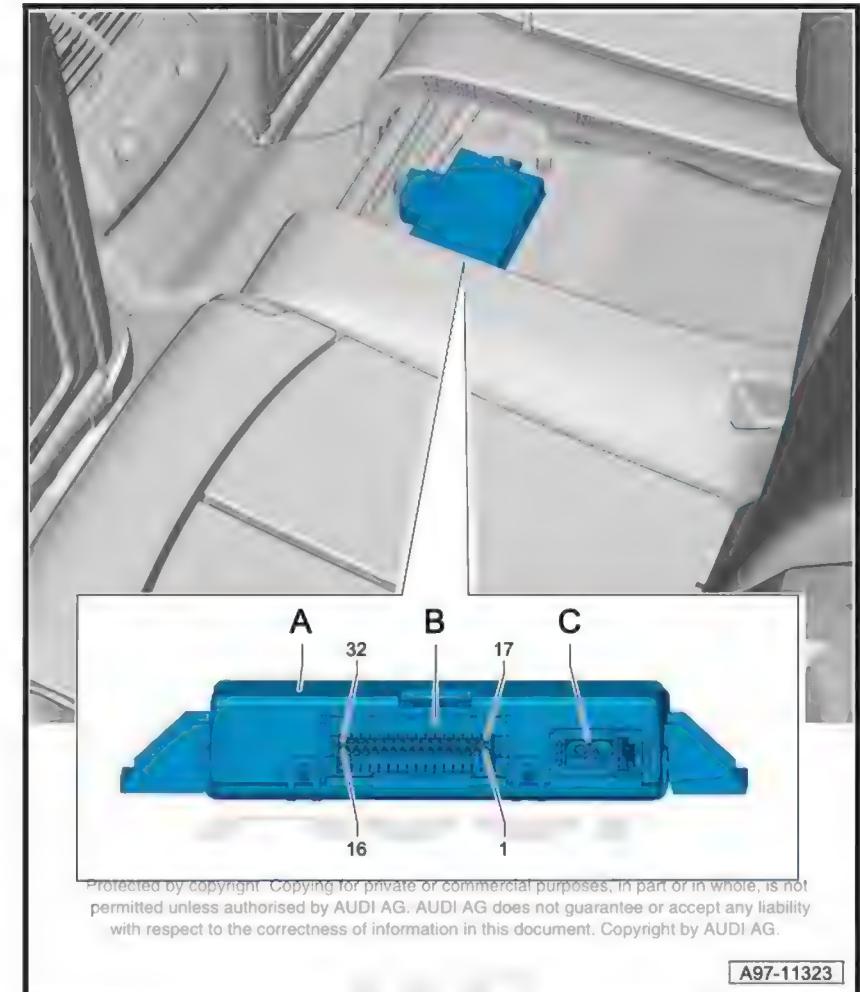
## 1.18 Data Bus On Board Diagnostic Interface -J533-

Below rear seat -A-.

A - Data Bus On Board Diagnostic Interface -J533-

B - 32-Pin Connector -T32b-, black

C - 2-Pin Connector -T2aq-, MOST-Bus, black



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## 1.19 Rear A/C Display Control Head -E265-

In the rear center console -B-.

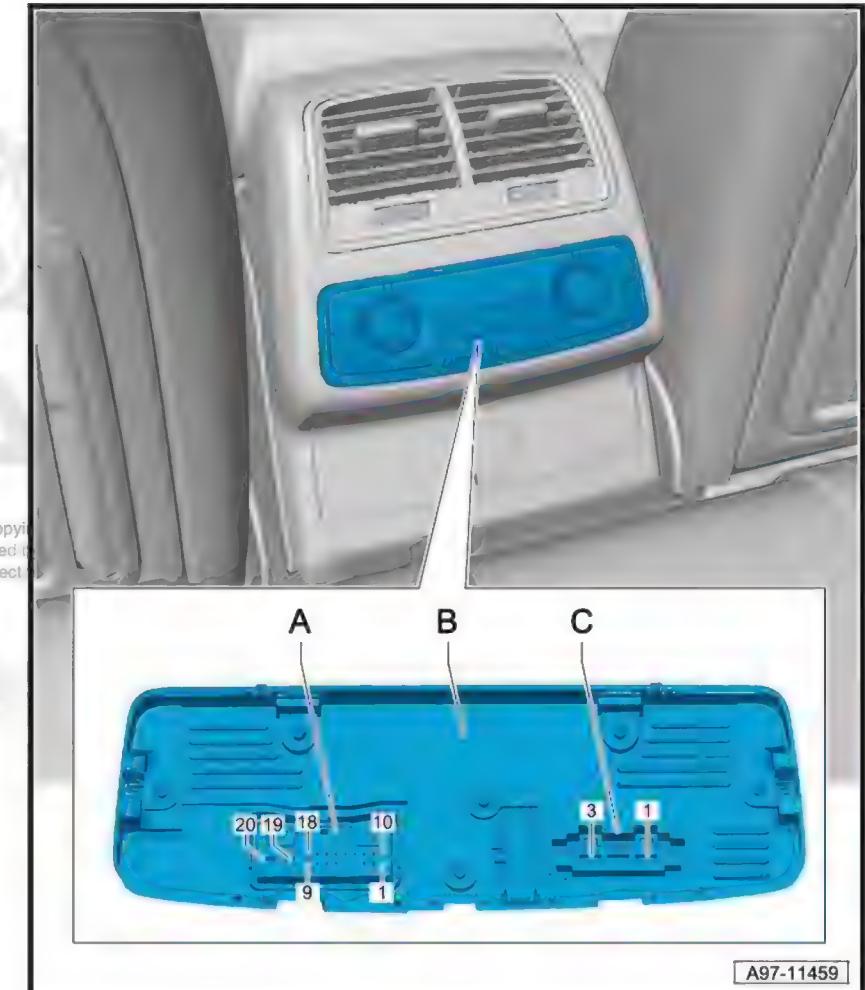
A - 3 Pin Connector -T3r- , black

B - Rear A/C Display Control Head -E265-

- with Left Rear Heated Seat Regulating Switch -E128- , Right Rear Heated Seat Regulating Switch -E129-

C - 20-Pin Connector -T20a- , black

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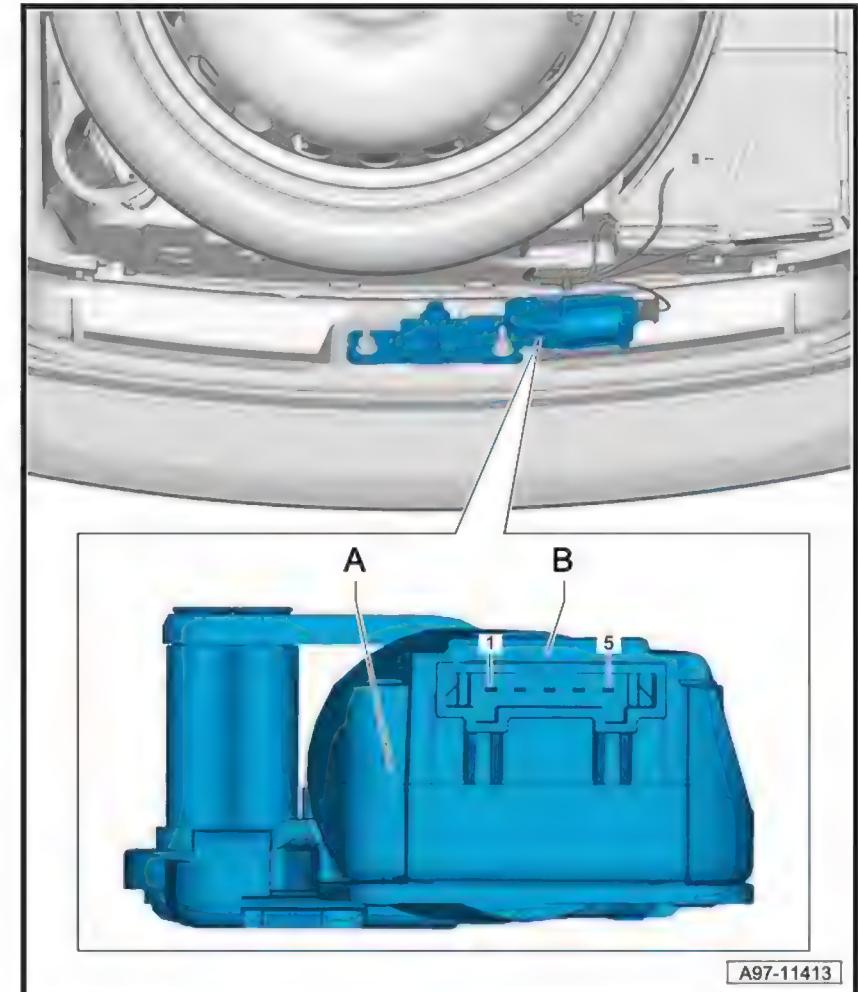
## 1.20 Door Closing Assist Control Module -J657-

Below trim apron rail -A-.

A - Door Closing Assist Control Module -J657-

- with Rear Lid Closing Assist Motor -V382-, Rear Lid Opening Assist Unlock Stop Switch -F332-, Rear Lid Closing Assist Lock Stop Switch -F333-

B - 5-Pin Connector -T5ag-, black



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## 1.21 Lane Change Assistance Control Module -J769-

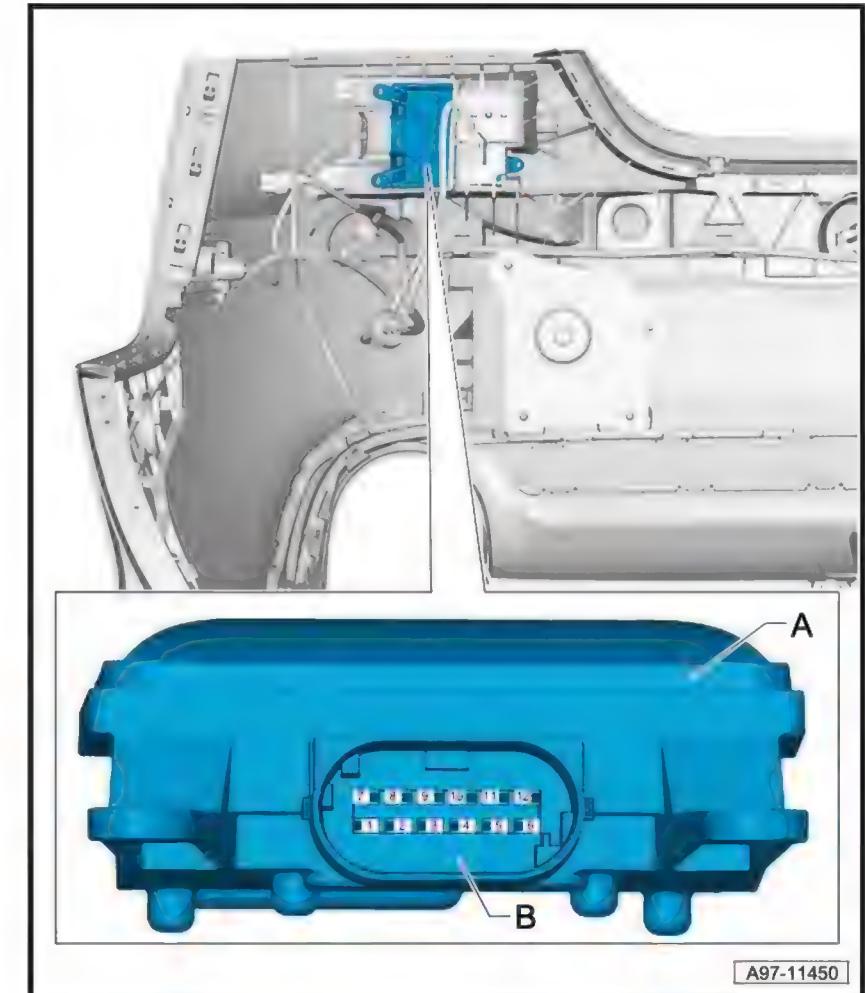
In right rear bumper trim -A-.

A - Lane Change Assistance Control Module -J769-

B - 12-Pin Connector -T12t-, black



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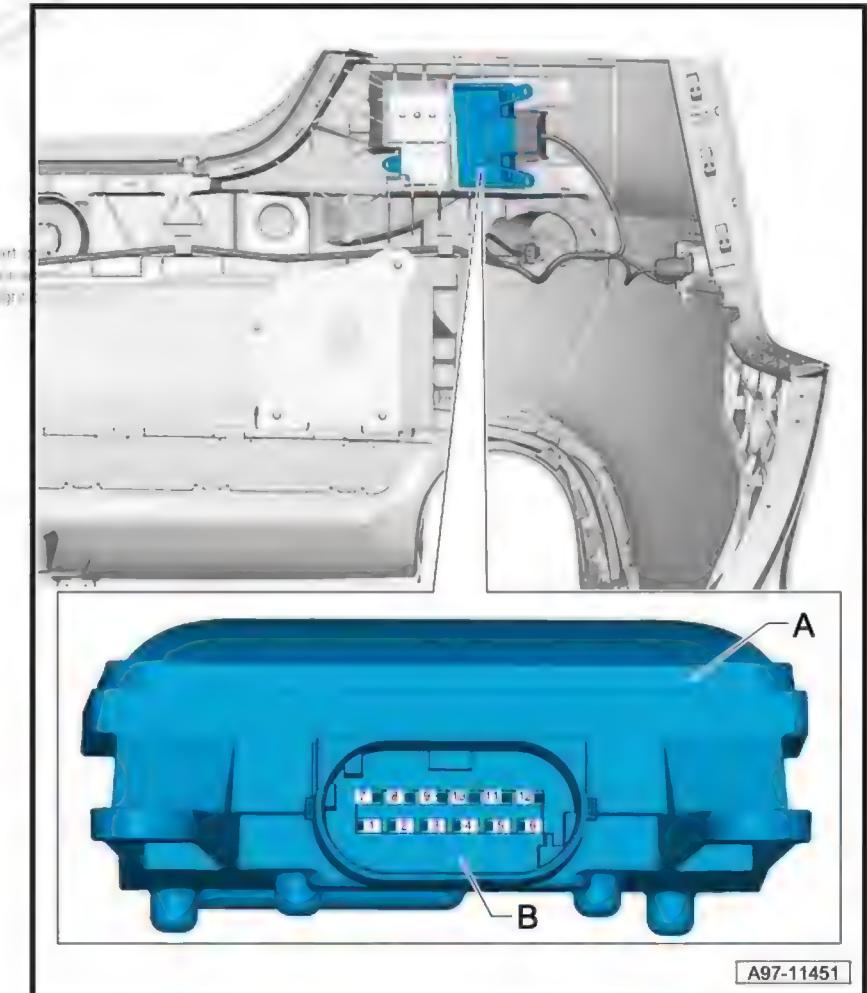
## 1.22 Lane Change Assistance Control Module 2 -J770-

In left rear bumper trim -A-.

A - Lane Change Assistance Control Module 2 -J770-

B - 12-Pin Connector -T12u-, black

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## 1.23 Auxiliary Heater RF Receiver -R64-

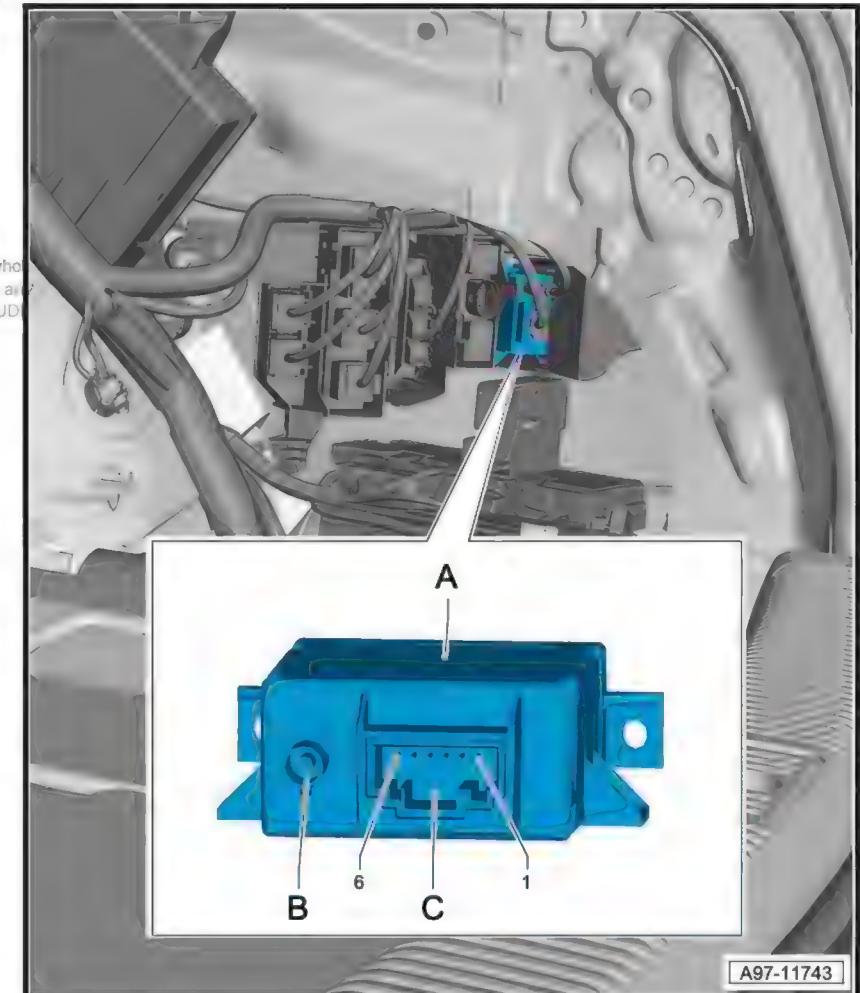
In right luggage compartment, behind side panel trim -A-.

A - Auxiliary Heater RF Receiver -R64-

B - 2-Pin Connector -T2cv- , to Roof Antenna -R216-

C - 6-Pin Connector -T6v- , blue

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## 1.24 Vehicle positioning system interface control module -J843-

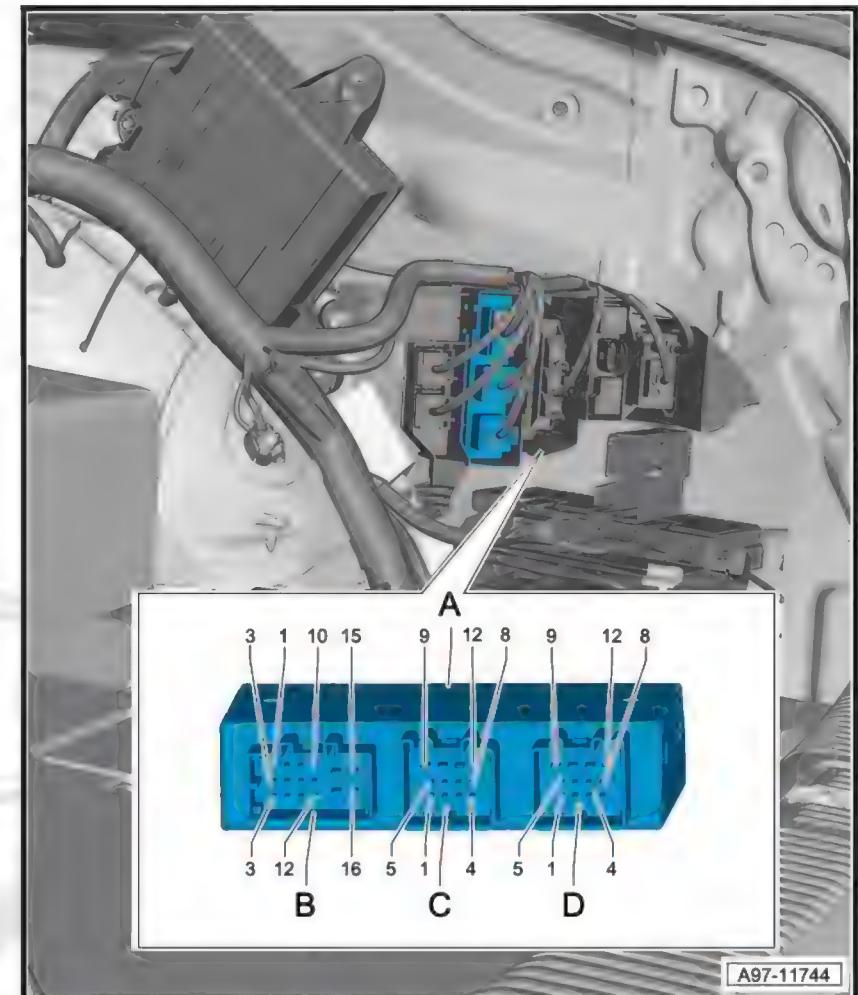
In right luggage compartment, behind side panel trim -A-.

A - Vehicle positioning system interface control module -J843-

B - Not used

C - 12-Pin Connector -T12o-, brown

D - Not used



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## 1.25 Engine Sound Generator Control Module -J943-

⇒ “[1.25.1 Engine Sound Generator Control Module J943 , Models without Hybrid Drive”, page 32](#)

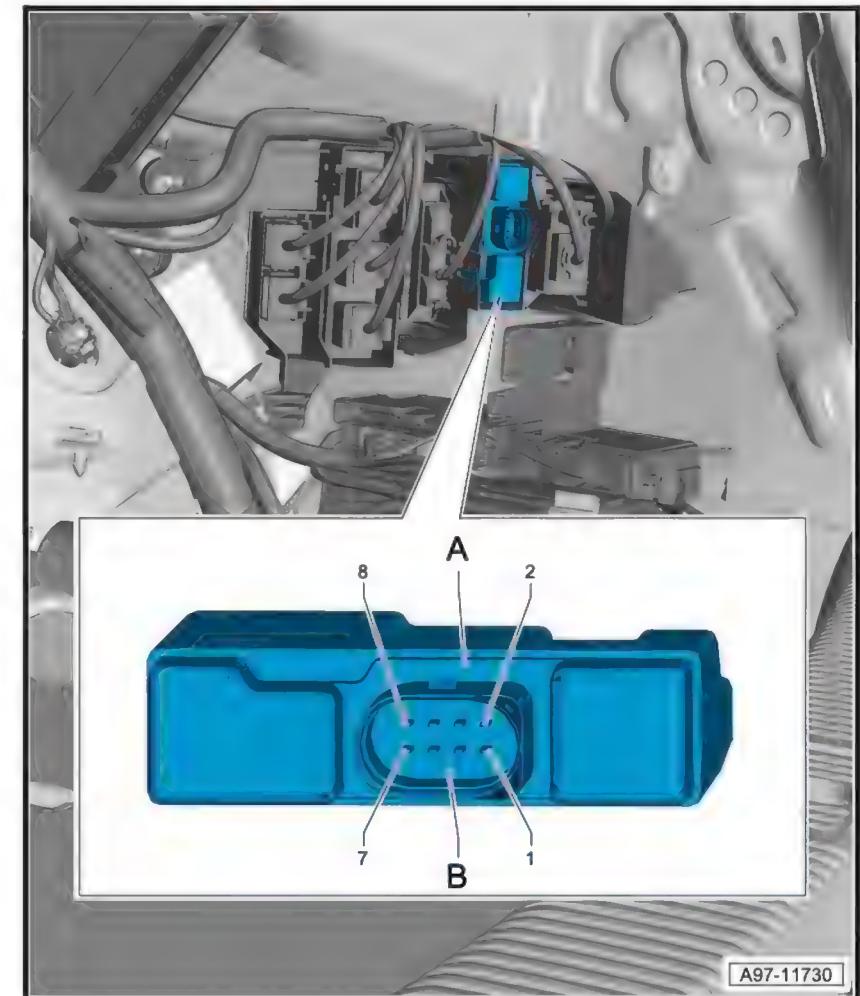
⇒ “[1.25.2 Engine Sound Generator Control Module J943 , Models with Hybrid Drive, from July 2017”, page 33](#)

### 1.25.1 Engine Sound Generator Control Module -J943- , Models without Hybrid Drive

In right luggage compartment, behind side panel trim -A-.

A - Engine Sound Generator Control Module -J943-

B - 8-Pin Connector -T8ax- , black



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A97-11730

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### 1.25.2 Engine Sound Generator Control Module -J943-, Models with Hybrid Drive, from July 2017

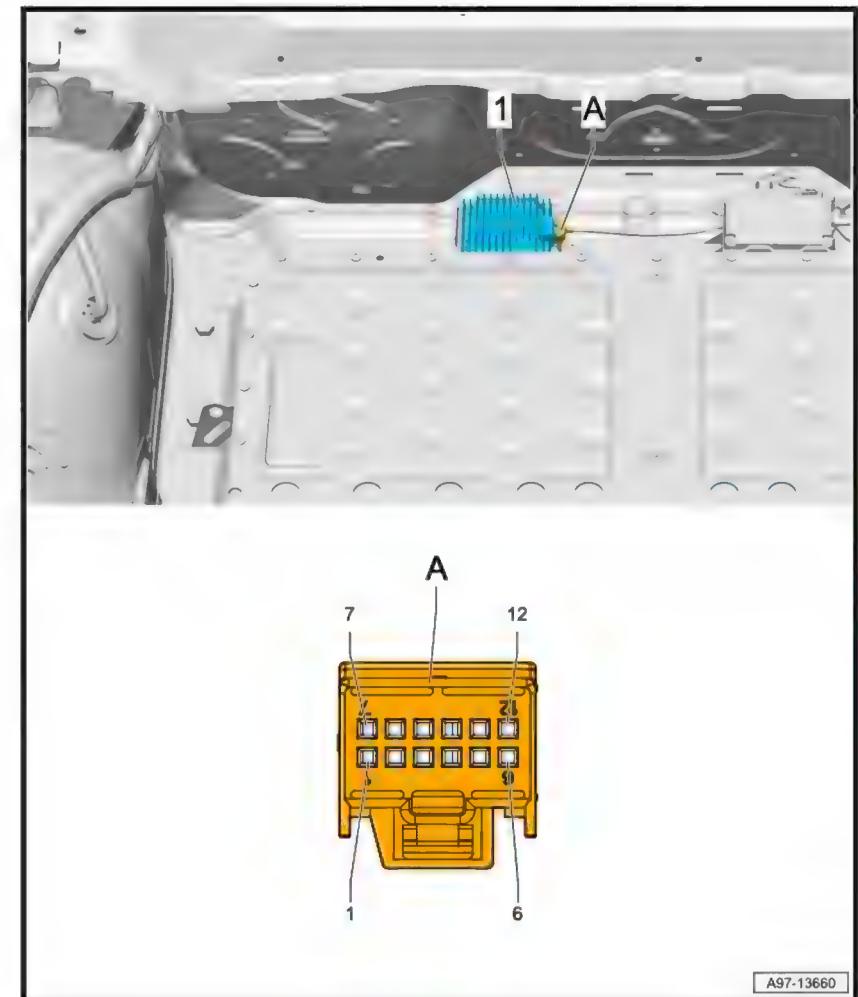
In right center luggage compartment before Hybrid Battery Unit -AX1- .

1 - Engine Sound Generator Control Module -J943-

A - 12-Pin Connector -T12ar-, black



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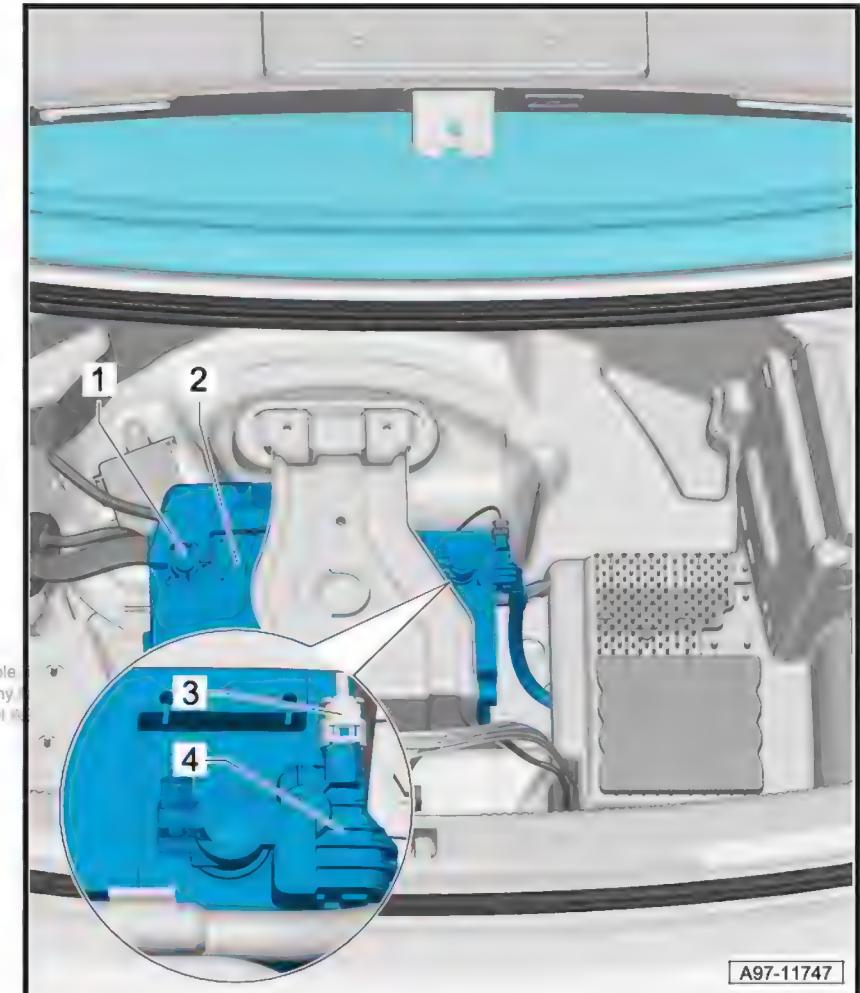
A97-13660

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## 1.26 Battery Monitoring Control Module -J367-

In luggage compartment on Battery -A- -4-.

- 1 - Battery positive connector
- 2 - Battery -A-
- 3 - 2-Pin Connector -T2a- , yellow
- 4 - Battery Monitoring Control Module -J367-



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## 1.27 Seat Heating Control Module -J882-

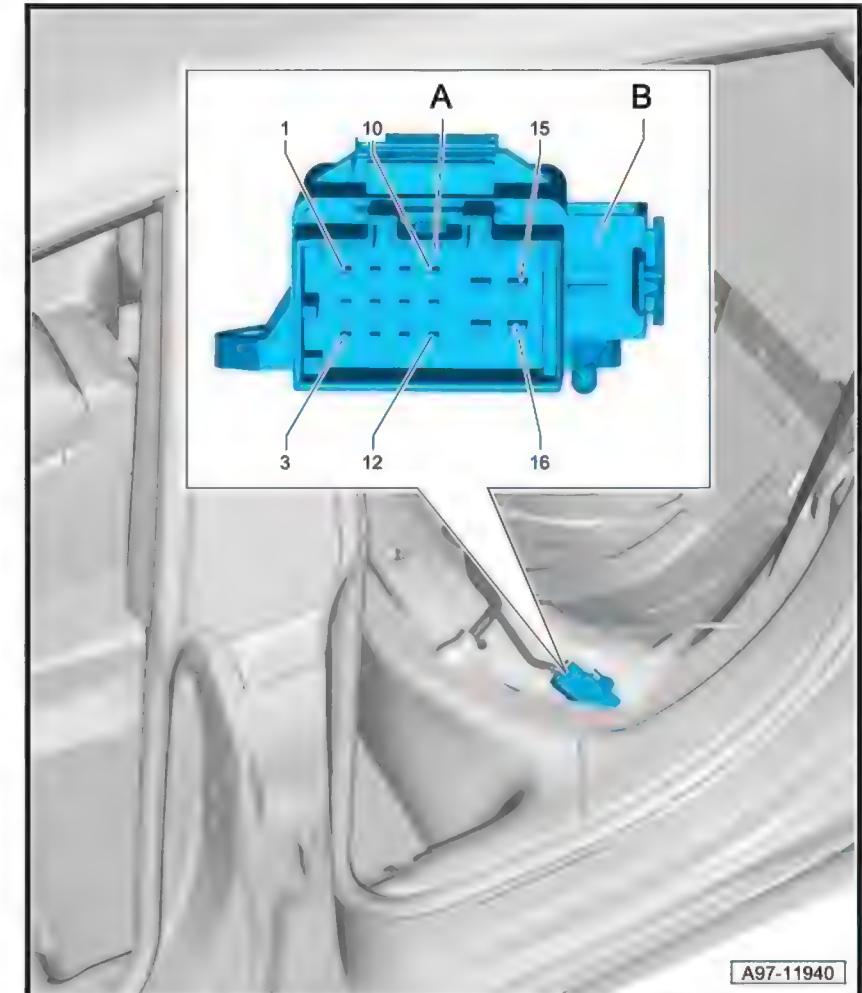
Below rear seat, left -A-.

A - 16-Pin Connector -T16d-, black

B - Seat Heating Control Module -J882-



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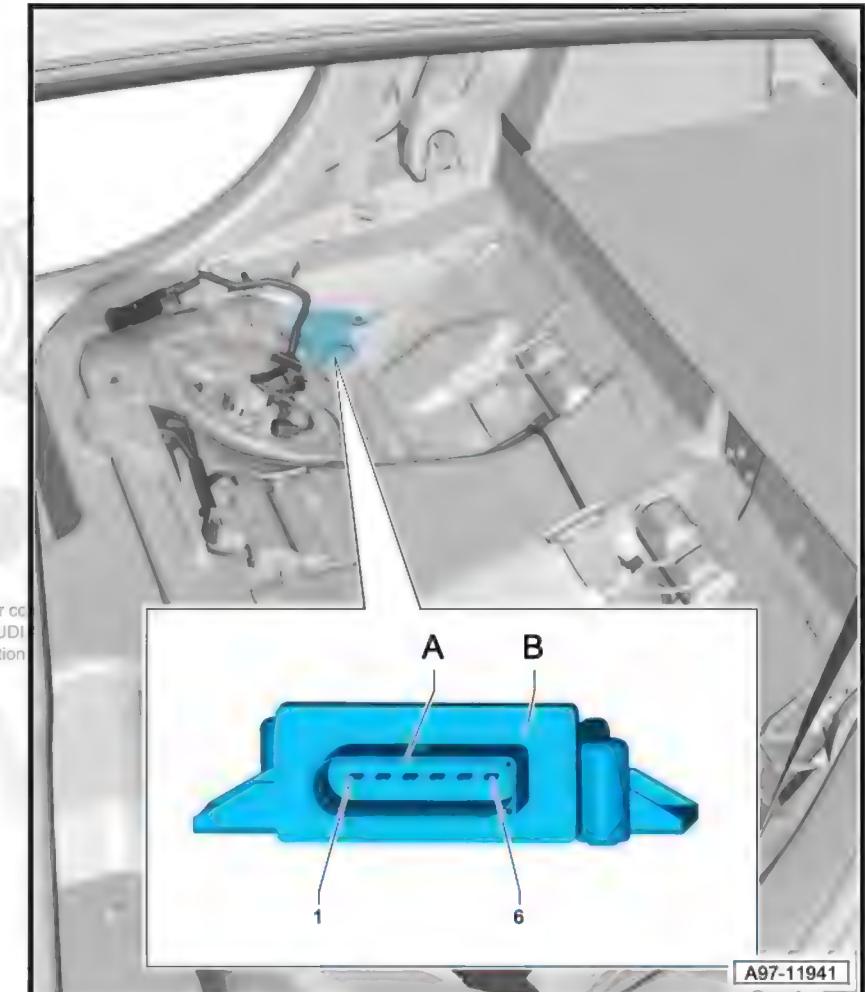
[Back to overview](#) [page 1](#).

## 1.28 Fuel Pump (FP) Control Module -J538-

Below rear seat, right, on underbody -A-.

A - 6-Pin Connector -T6ar- , black

B - Fuel Pump (FP) Control Module -J538-



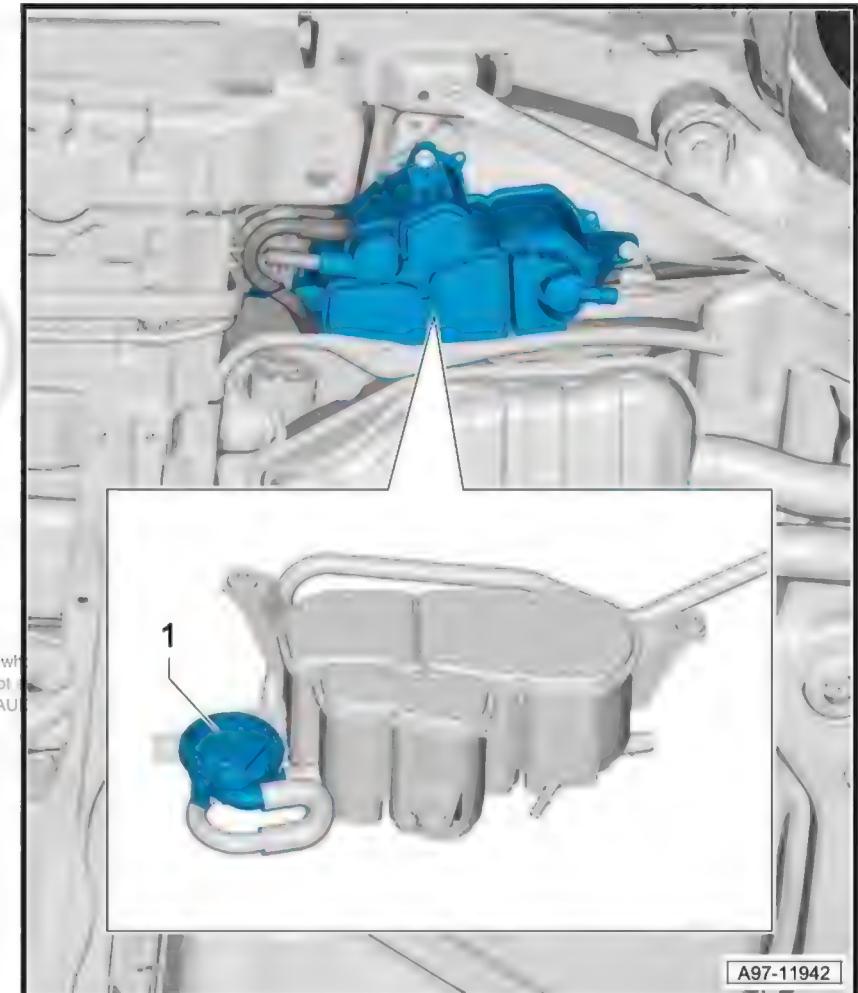
[Back to overview](#) [page 1](#).

## 1.29 Fuel Tank Lead Detection Control Module -J909-

On underbody, on tank left -1-.

1 - Fuel Tank Lead Detection Control Module -J909-

- 3 Pin Connector -T3s-, black



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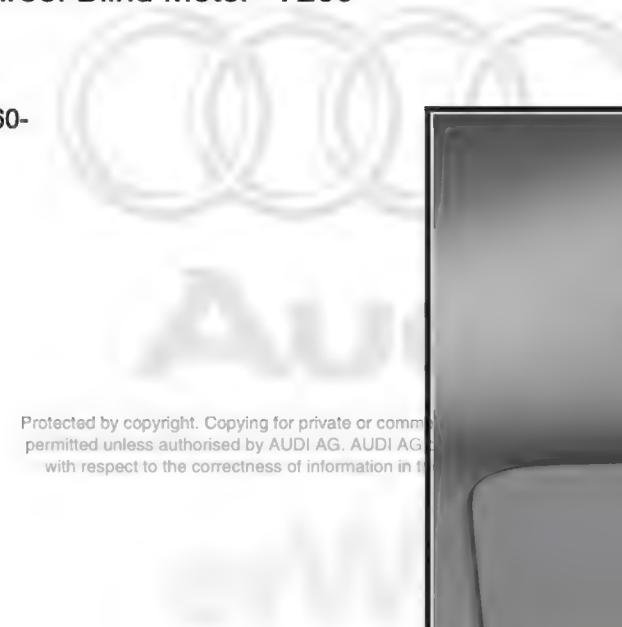
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## 1.30 Roof shade control module -J394- / Sunroof Blind Motor -V260-

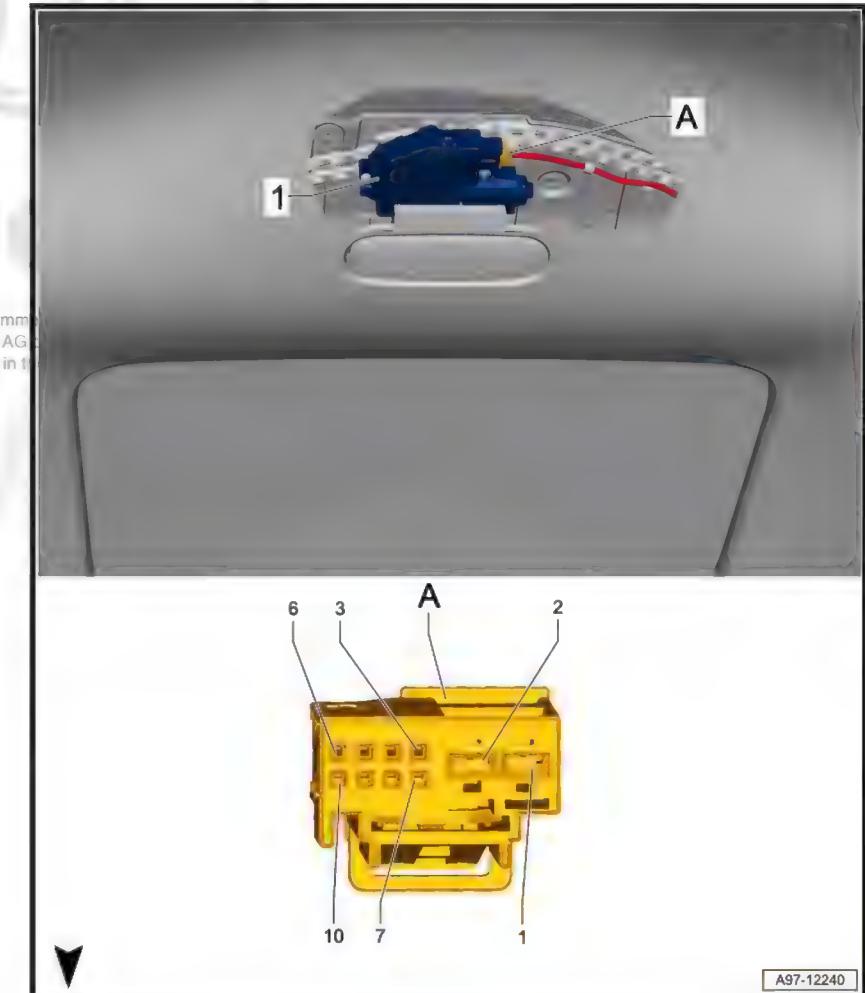
On roof, rear -1-.

1 - Roof shade control module -J394- / Sunroof Blind Motor -V260-

A - 10-Pin Connector -T10ar-



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## Pin Arrangements Roof shade control module -J394-

-T10ar- (A)	Designation	-T10ar- (A)	Designation
1	LIN-Bus B577 LIN-Bus Connection (in roof wiring harness) B699 LIN-Bus Connection 4 (in main wiring harness) Comfort System Central Control Module -J393-	6	Not used
2		7	Not used
3		8	Bridge to pin 4
4	Bridge to pin 8	9	Terminal 31, to 178 Ground connection (in sunroof wiring harness) 369 Ground Connection 4 (in main wiring harness) 44 Ground Connection (on left lower A-pillar)
5	Folding Sunroof Button 2 -E585-	10	Terminal 30, from Fuse Panel B -SB-

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### 1.31 Air Ionization System Control Module -J897-

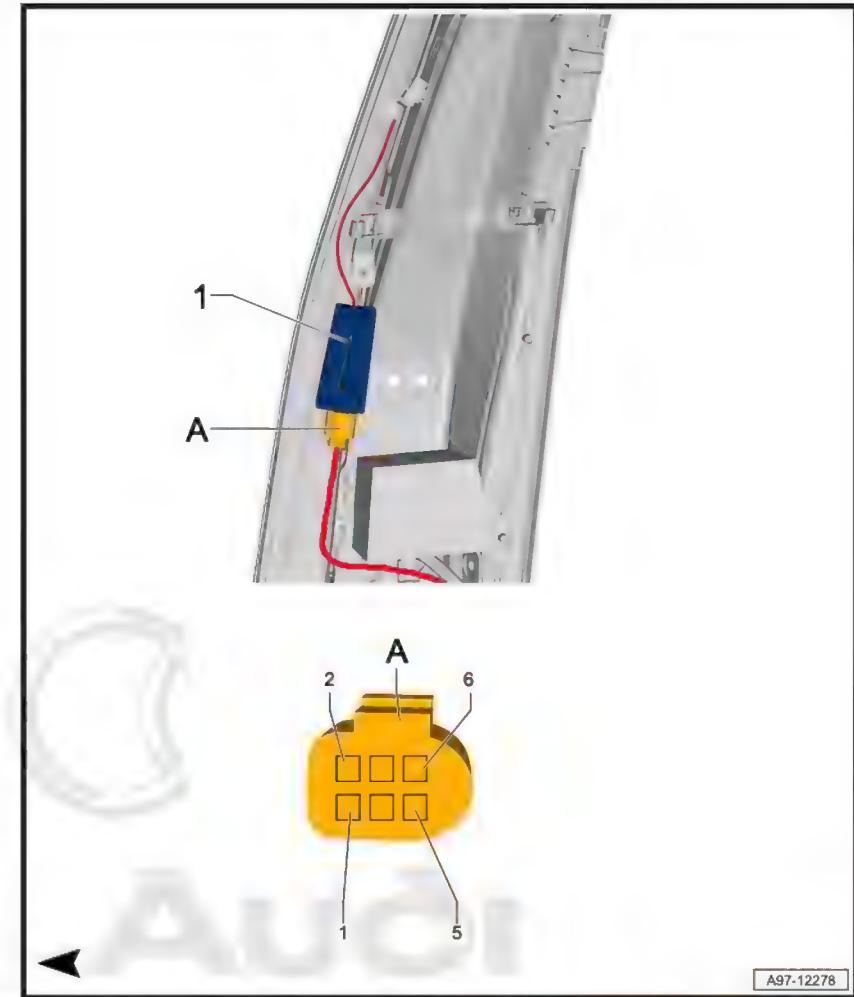
On right B-pillar -1-.



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1 - Air Ionization System Control Module -J897-

A - 6-Pin Connector -T6bp-, black



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#### Pin Arrangements Air Ionization System Control Module -J897-

-T6bp- (A)	Designation	-T6bp- (A)	Designation
1	Terminal 15, from B281 Positive connection 5 (15a) in main wiring harness Fuse Panel B -SB-	4	Air ionization system button -E677-

-T6bp-(A)	Designation	-T6bp-(A)	Designation
2	Terminal 31, to 366 1 (in main wiring harness) 44 Ground Connection (on left lower A-pillar)	5	Air ionization system button -E677-
3	LIN-Bus, Rear A/C Display Control Head -E265-	6	Air ionization system button -E677-

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### 1.32 Rear lid opener control module -J938-

Behind rear bumper cover -1-.



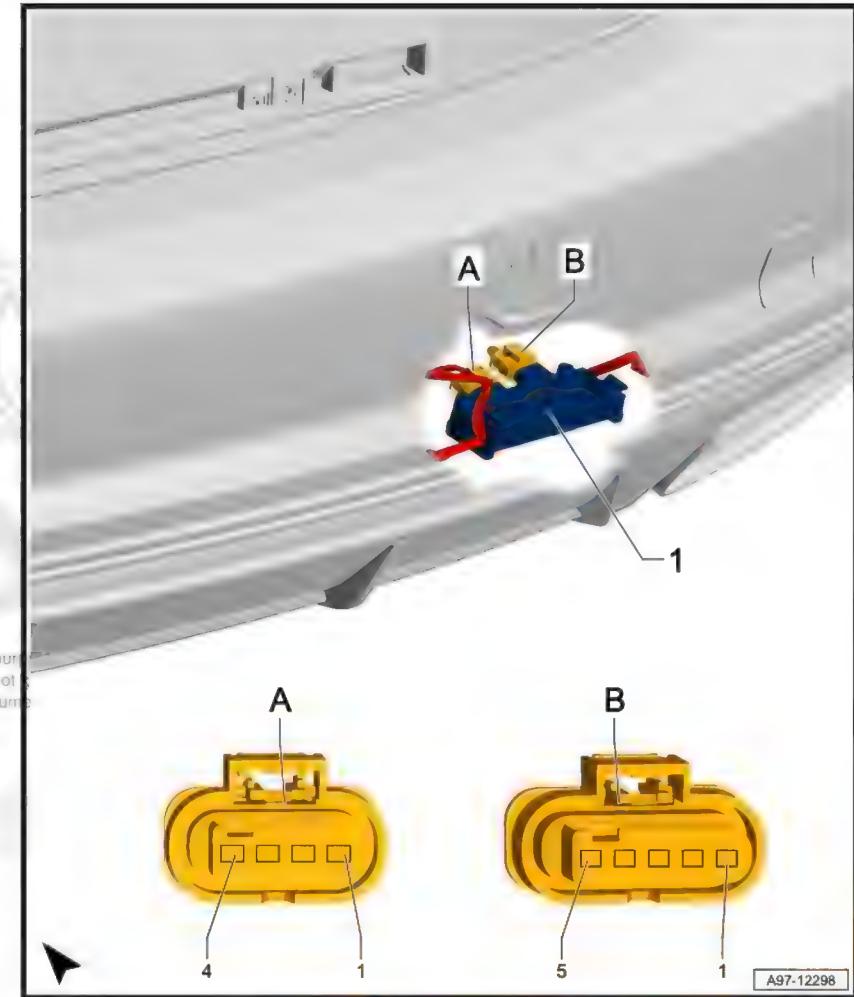
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1 - Rear lid opener control module -J938-

A - 4-Pin Connector -T4fh-, black

B - 5-Pin Connector -T5ao-, black



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#### Pin Arrangements Rear lid opener control module -J938-

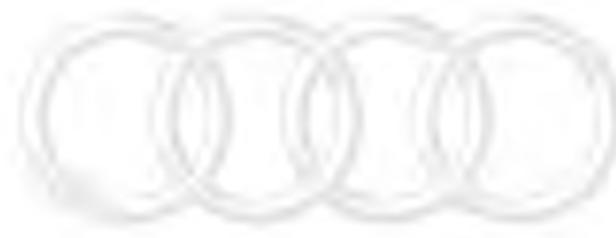
-T4fh- (A)	Designation	-T5ao- (B)	Designation
1	Terminal 30, from Rear Lid Remote Unlocking Fuse -S195-	1	Power rear lid opener sensor -G750-
2	Terminal 31, to <sup>744</sup> Ground connection in spare tire well	2	Power rear lid opener sensor -G750-
3	LIN-Bus, to Comfort System Central Control Module -J393-	3	

-T4fh- (A)	Designation	-T5ao- (B)	Designation
4		4	Power rear lid opener sensor 2 -G760-
		5	Power rear lid opener sensor 2 -G760-

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### 1.33 TV Tuner -R78- , from model year 2015

In left luggage compartment, behind side panel trim -1-.



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avant

1 - TV Tuner -R78-

A - 2-Pin Connector -T2ne- , brown, TV1, Antenna Amplifier 3 -R112- (Sedan)/ Antenna Amplifier -R24- (Avant)

B - 4-Pin Connector -T4as- , green, TV2/TV3, Antenna Amplifier -R24- , Antenna Amplifier 4 -R113- (Sedan)/ Antenna Amplifier 3 -R112- , Antenna Amplifier 4 -R113- (Avant)

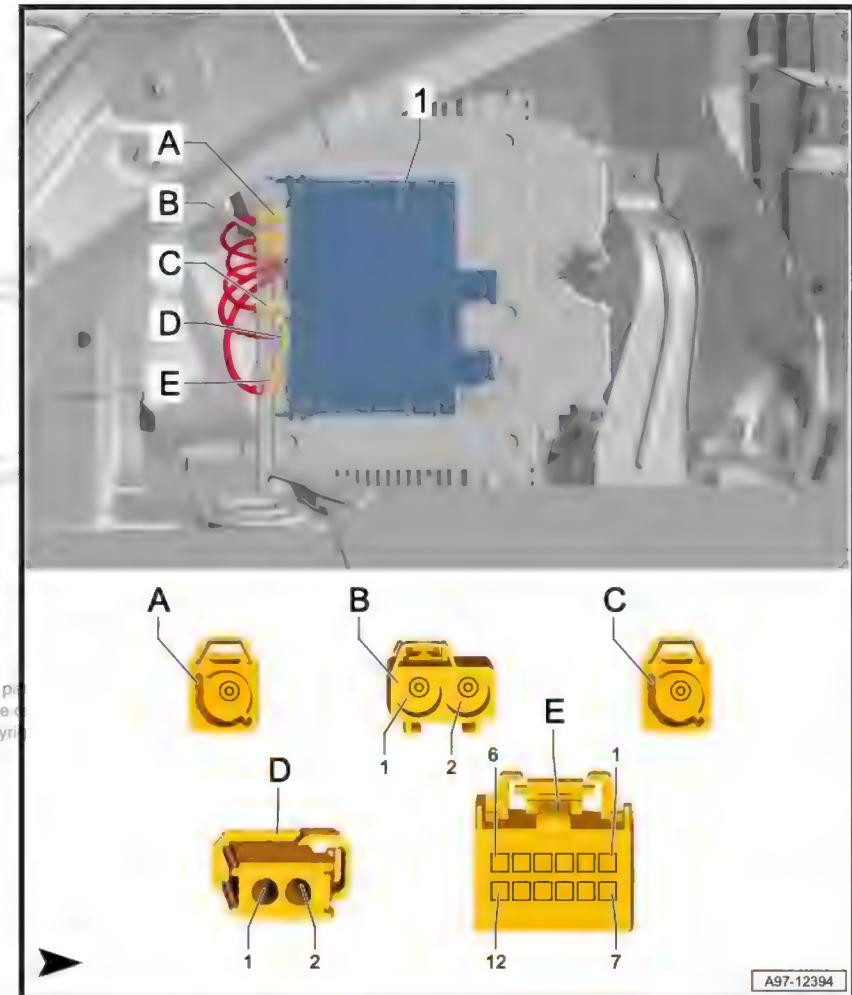
C - Not used

D - 2-Pin Connector -T2lq- , MOST-Bus, black

E - 12-Pin Connector -T12af- , black



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#### Pin Arrangements TV Tuner -R78-

-T12af- (E)	Designation	-T12af- (E)	Designation
1	Terminal 30, from Fuse Panel F -SF-	7	Audio out L
2	Terminal 31, to 50 Ground Connection (in left luggage compartment)	8	Audio out R
3	Ringbreak Diagnosis Wire (B444) OBD connection 1 (in main wiring harness)	9	Ground-shielding

-T12af- (E)	Designation	-T12af- (E)	Designation
4	Ground-shielding	10	Audio in L
5	Video out	11	Audio in R
6	Ground-shielding	12	Video in

[Back to overview](#) [page 1](#).

### 1.34 Digital Sound System Control Module -J525- , Audi sound system, 9VD, from model year 2015

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In left luggage compartment, behind side panel trim -1-.



- ◆ The Digital Sound System Control Module -J525- is only installed in conjunction with noise compensation (EP0).
- ◆ For Audi sound system (9VD) without noise compensation (EP0), the speakers are connected directly to the digital sound system control module.

1 - Digital Sound System Control Module -J525-

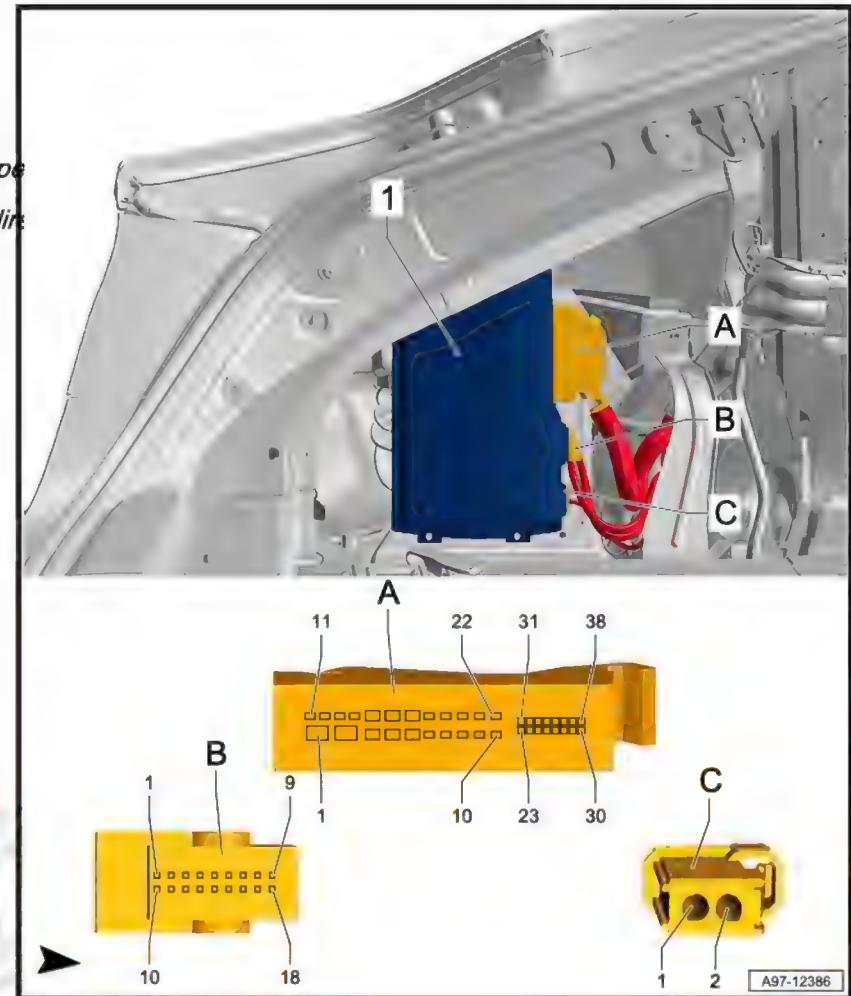
A - 38-Pin Connector -T38-, black

- Pin arrangements in conjunction with Radio (8DN, 8DP, 8DS) [⇒ page 46](#)
- Pin arrangements in conjunction with MMI Navigation plus (I8H) [⇒ page 48](#)

B - 18-Pin Connector -T18i-, black

- Pin arrangements in conjunction with Radio (8DN, 8DP, 8DS) [⇒ page 46](#)
- Pin arrangements in conjunction with MMI Navigation plus (I8H) [⇒ page 48](#)

C - 2-Pin Connector -T2ca-, MOST-Bus, black



#### Pin Arrangements Digital Sound System Control Module -J525-, Radio, 8DN, 8DP, 8DS

-T18i- (B)	Designation	-T38- (A)	Designation	-T38- (A)	Designation
1		1	Terminal 30, from Fuse Carrier 4 -ST4- in Fuse Panel F -SF-	20	Right Front Midrange Speaker -R104-

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-T18i- (B)	Designation	-T38- (A)	Designation	-T38- (A)	Designation
2		2	Terminal 31, to (50) Ground Connection (in left luggage compartment) <sup>1)</sup> (729) Ground connection on left rear wheel housing <sup>2)</sup>	21	Right Front Speaker -R3-
3		3	Right Rear Bass Speaker -R17- / Right Rear Treble Speaker -R16-	22	Left Front Speaker -R2-
4		4	Left Front Bass Speaker -R21-	23	
5		5	Subwoofer -R211-	24	
6	Noise Reduction Microphone 3 -R287-	6		25	Ringbreak Diagnosis Wire to B444 OBD Connection 1 (in main wiring harness)
7	Noise Reduction Microphone 3 -R287-	7	Left Front Midrange Speaker -R103-	26	
8	Noise Reduction Microphone 4 -R288-	8	Right Front Midrange Speaker -R104-	27	
9	Noise Reduction Microphone 4 -R288-	9	Right Front Speaker -R3-	28	Ground-shielding for Interior microphone -R74- In the Microphone Unit (in front roof module) -R164-
10	Engine Control Module (ECM) -J623- / Subframe Mount Control Module -J931-	10	Left Front Speaker -R2-	29	Inside Microphone -R74- In the Microphone Unit (in front roof module) -R164-
11	Terminal 31, to (397) Ground Connection 32 (in main wiring harness)	11	Right Front Bass Speaker -R23-	30	Inside Microphone -R74- In the Microphone Unit (in front roof module) -R164-
12		12	Right Front Bass Speaker -R23-	31	Center speaker -R208-
13	Noise Reduction Microphone 2 -R286-	13	Left Rear Bass Speaker -R15- / Left Rear Treble Speaker -R14-	32	Center speaker -R208-
14	Noise Reduction Microphone 2 -R286-	14	Left Rear Bass Speaker -R15- / Left Rear Treble Speaker -R14-	33	Copyright for photographs, trademarks and other intellectual property rights is held by Audi AG. All rights reserved. Any unauthorized or unauthorized use, reproduction, distribution or disclosure of information in this document is prohibited.
15		15	Right Rear Bass Speaker -R17- / Right Rear Treble Speaker -R16-	34	
16	Noise Reduction Microphone 1 -R285-	16	Left Front Bass Speaker -R21-	35	
17	Noise Reduction Microphone 1 -R285-	17	Subwoofer -R211-	36	
18		18		37	
		19	Left Front Midrange Speaker -R103-	38	

◆ 1) Only sedan

◆ 2) Only Avant

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## Pin Arrangements Digital Sound System Control Module -J525- , MMI Navigation plus, I8H

-T18i- (B)	Designation	-T38- (A)	Designation	-T38- (A)	Designation
1		1	Terminal 30, from Fuse Carrier 4 -ST4- in Fuse Panel F -SF-	20	Right Rear Bass Speaker -R17- / Right Rear Treble Speaker -R16-
2		2	Terminal 31, to <sup>50</sup> Ground Connection (in left luggage compartment) <sup>1)</sup> <sup>(729)</sup> Ground connection on left rear wheel housing <sup>2)</sup>	21	
3		3		22	
4		4	Subwoofer -R211-	23	
5		5		24	
6	Noise Reduction Microphone 3 -R287-	6		25	Ringbreak Diagnosis Wire to <sup>(B444)</sup> OBD Connection 1 (in main wiring harness)
7	Noise Reduction Microphone 3 -R287-	7	Left Rear Bass Speaker -R15- / Left Rear Treble Speaker -R14-	26	Right Front Midrange Speaker -R104-
8	Noise Reduction Microphone 1 -R285-	8	Right Rear Bass Speaker -R17- / Right Rear Treble Speaker -R16-	27	Right Front Midrange Speaker -R104-
9	Noise Reduction Microphone 1 -R285-	9		28	Ground-shielding for Interior microphone -R74- In the Microphone Unit (in front roof module) -R164-
10	Engine Control Module (ECM) -J623- / Subframe Mount Control Module -J931-	10		29	Inside Microphone -R74- In the Microphone Unit (in front roof module) -R164-
11	Terminal 31, to <sup>397</sup> Ground Connection 32 (in main wiring harness)	11	Left Front Bass Speaker -R21-	30	Inside Microphone -R74- In the Microphone Unit (in front roof module) -R164-
12		12	Left Front Bass Speaker -R21-	31	Center speaker -R208-
13	Noise Reduction Microphone 4 -R288-	13	Right Front Bass Speaker -R23-	32	Center speaker -R208-
14	Noise Reduction Microphone 4 -R288-	14	Right Front Bass Speaker -R23-	33	Right Front Speaker -R3-
15		15		34	Right Front Speaker -R3-
16	Noise Reduction Microphone 2 -R286-	16	Subwoofer -R211-	35	Left Front Speaker -R2-
17	Noise Reduction Microphone 2 -R286-	17		36	Left Front Speaker -R2-
18		18		37	Left Front Midrange Speaker -R103-
		19	Left Rear Bass Speaker -R15- / Left Rear Treble Speaker -R14-	38	Left Front Midrange Speaker -R103-

◆ 1) Only sedan

◆ 2) Only Avant

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## 1.35 Digital Sound System Control Module -J525- , Bose Surround Sound, 8RY, from model year 2015

In left luggage compartment, behind side panel trim -1-.

1 - Digital Sound System Control Module -J525-

A - 38-Pin Connector -T38- , black

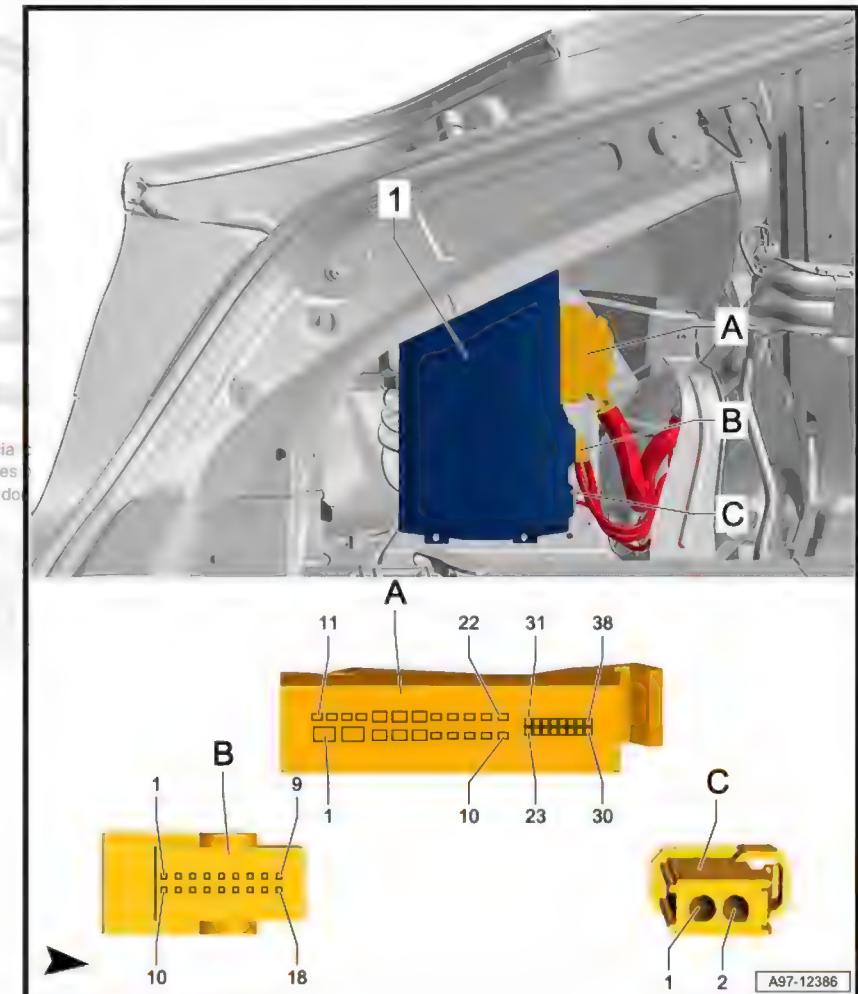
- Pin arrangements in conjunction with Radio (8DN, 8DP, 8DS) [page 50](#)
- Pin arrangements in conjunction with MMI Navigation plus (I8H) [page 51](#)

B - 18-Pin Connector -T18i- , black

- Pin arrangements in conjunction with Radio (8DN, 8DP, 8DS) [page 50](#)
- Pin arrangements in conjunction with MMI Navigation plus (I8H) [page 51](#)

C - 2-Pin Connector -T2ca- , MOST-Bus, black

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## Pin Arrangements Digital Sound System Control Module -J525- , Radio, 8DN, 8DP, 8DS

-T18i- (B)	Designation	-T38- (A)	Designation	-T38- (A)	Designation
1		1	Terminal 30, from Fuse Carrier 4 -ST4- in Fuse Panel F -SF-	20	Right Front Midrange Speaker -R104-
2		2	Terminal 31, to 50 Ground Connection (in left luggage compartment) <sup>2)</sup> (729) Ground connection on left rear wheel housing <sup>3)</sup>	21	Right Front Speaker -R3-
3		3	Right Rear Bass Speaker -R17- / Right Rear Treble Speaker -R16-	22	Left Front Speaker -R2-
4		4	Left Front Bass Speaker -R21-	23	
5		5	Subwoofer -R211-	24	
6	Noise Reduction Microphone 3 -R287- <sup>1)</sup>	6		25	Ringbreak Diagnosis Wire to B444 OBD Connection 1 (in main wiring harness)
7	Noise Reduction Microphone 3 -R287- <sup>1)</sup>	7	Left Front Midrange Speaker -R103-	26	
8	Noise Reduction Microphone 4 -R288- <sup>1)</sup>	8	Right Front Midrange Speaker -R104-	27	
9	Noise Reduction Microphone 4 -R288- <sup>1)</sup>	9	Right Front Speaker -R3-	28	Ground-shielding for Interior microphone -R74- In the Microphone Unit (in front roof module) -R164-
10	Engine Control Module (ECM) -J623- / Subframe Mount Control Module -J931- <sup>1)</sup>	10	Left Front Speaker -R2-	29	Inside Microphone -R74- In the Microphone Unit (in front roof module) -R164-
11	Terminal 31, to 397 Ground Connection 32 in main wiring harness <sup>1)</sup>	11	Right Front Bass Speaker -R23-	30	Inside Microphone -R74- In the Microphone Unit (in front roof module) -R164-
12		12	Right Front Bass Speaker -R23-	31	Center speaker -R208-
13	Noise Reduction Microphone 2 -R286- <sup>1)</sup>	13	Left Rear Bass Speaker -R15- / Left Rear Treble Speaker -R14-	32	Center speaker -R208-
14	Noise Reduction Microphone 2 -R286- <sup>1)</sup>	14	Left Rear Bass Speaker -R15- / Left Rear Treble Speaker -R14-	33	Left effects speaker -R209-
15		15	Right Rear Bass Speaker -R17- / Right Rear Treble Speaker -R16-	34	Left effects speaker -R209-
16	Noise Reduction Microphone 1 -R285- <sup>1)</sup>	16	Left Front Bass Speaker -R21-	35	
17	Noise Reduction Microphone 1 -R285- <sup>1)</sup>	17	Subwoofer -R211-	36	
18		18		37	Right effects speaker -R210-
		19	Left Front Midrange Speaker -R103-	38	Right effects speaker -R210-

◆ 1) Only for vehicles with noise compensation, EP1

- ◆ 2) Only sedan
- ◆ 3) Only Avant

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#### Pin Arrangements Digital Sound System Control Module -J525- , MMI Navigation plus, I8H

-T18i- (B)	Designation	-T38- (A)	Designation	-T38- (A)	Designation
1		1	Terminal 30, from Fuse Carrier 4 -ST4- in Fuse Panel F -SF-	20	Right Rear Bass Speaker -R17- / Right Rear Treble Speaker -R16-
2	<small>Protected by copyright. Copying for private use is permitted.</small>	2	Terminal 31, to <small>(50)</small> Ground Connection (in left luggage compartment) <sup>2)</sup> <small>(729)</small> Ground connection on left rear wheel housing <sup>3)</sup>	21	Left effects speaker -R209-
3		3		22	Right effects speaker -R210-
4		4	Subwoofer -R211-	23	
5		5		24	
6	Noise Reduction Microphone 3 -R287- <sup>1)</sup>	6		25	Ringbreak Diagnosis Wire to <small>B444</small> OBD Connection 1 (in main wiring harness)
7	Noise Reduction Microphone 3 -R287- <sup>1)</sup>	7	Left Rear Bass Speaker -R15- / Left Rear Treble Speaker -R14-	26	Right Front Midrange Speaker -R104-
8	Noise Reduction Microphone 1 -R285- <sup>1)</sup>	8	Right Rear Bass Speaker -R17- / Right Rear Treble Speaker -R16-	27	Right Front Midrange Speaker -R104-
9	Noise Reduction Microphone 1 -R285- <sup>1)</sup>	9	Left effects speaker -R209-	28	Ground-shielding for Interior microphone -R74- In the Microphone Unit (in front roof module) -R164-
10	Engine Control Module (ECM) -J623- / Subframe Mount Control Module -J931- <sup>1)</sup>	10	Right effects speaker -R210-	29	Inside Microphone -R74- In the Microphone Unit (in front roof module) -R164-
11	Terminal 31, to <small>(397)</small> Ground Connection 32 in main wiring harness <sup>1)</sup>	11	Left Front Bass Speaker -R21-	30	Inside Microphone -R74- In the Microphone Unit (in front roof module) -R164-
12		12	Left Front Bass Speaker -R21-	31	Center speaker -R208-
13	Noise Reduction Microphone 4 -R288- <sup>1)</sup>	13	Right Front Bass Speaker -R23-	32	Center speaker -R208-
14	Noise Reduction Microphone 4 -R288- <sup>1)</sup>	14	Right Front Bass Speaker -R23-	33	Right Front Speaker -R3-
15		15		34	Right Front Speaker -R3-
16	Noise Reduction Microphone 2 -R286- <sup>1)</sup>	16	Subwoofer -R211-	35	Left Front Speaker -R2-
17	Noise Reduction Microphone 2 -R286- <sup>1)</sup>	17		36	Left Front Speaker -R2-

-T18i- (B)	Designation	-T38- (A)	Designation	-T38- (A)	Designation
18		18		37	Left Front Midrange Speaker -R103-
		19	Left Rear Bass Speaker -R15- / Left Rear Treble Speaker -R14-	38	Left Front Midrange Speaker -R103-

◆ 1) Only for vehicles with noise compensation, EP1

◆ 2) Only sedan

◆ 3) Only Avant

Back to overview [page 1](#).

### 1.36 Digital Sound System Control Module -J525- , Bang & Olufsen Advanced Sound System, 8RF, from model year 2015

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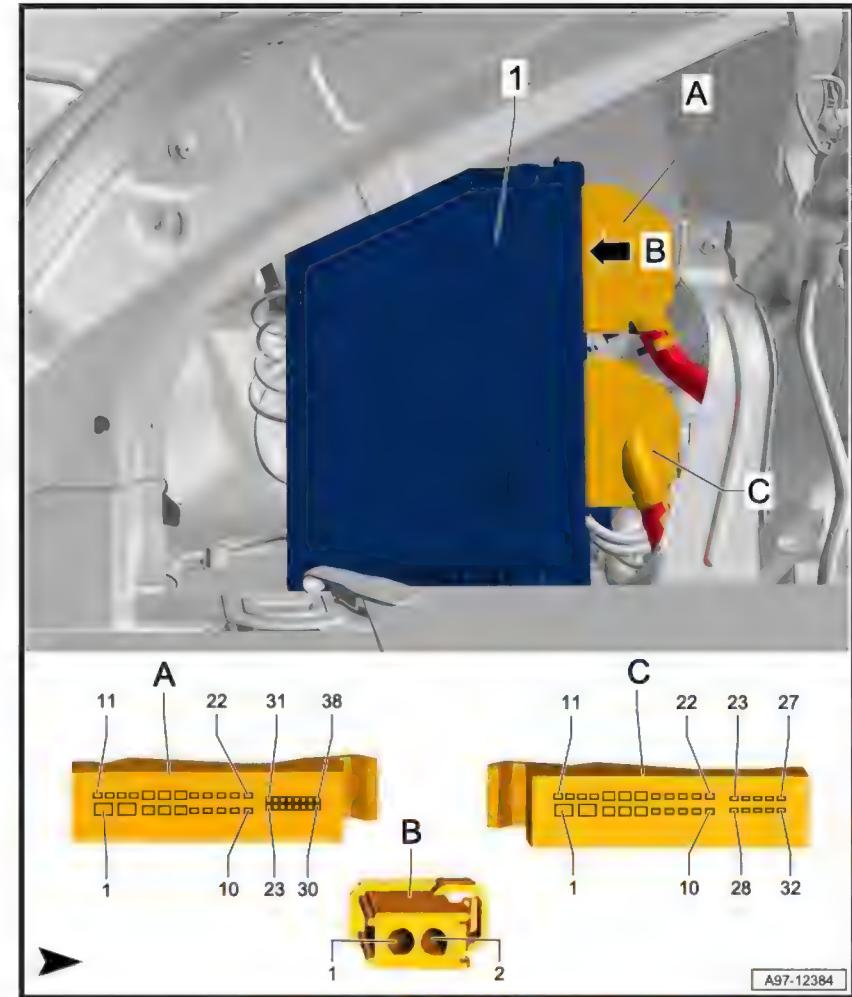
In left luggage compartment, behind side panel trim -1-.

1 - Digital Sound System Control Module -J525-

A - 38-Pin Connector -T38- , black

B - 2-Pin Connector -T2ca- , MOST-Bus, black

C - 32-Pin Connector -T32e- , black



#### Pin Arrangements Digital Sound System Control Module -J525-

-T32e- (C)	Designation	-T38- (A)	Designation
1		1	Terminal 30, from Fuse 1 - terminal 30 -S204- in Fuse Panel F -SF-
2		2	Terminal 31, to 50 Ground Connection (in left luggage compartment)
3		3	Subwoofer -R211-
4		4	Left Front Bass Speaker -R21-
5	Left Front Midrange Speaker -R103-	5	Right Front Bass Speaker -R23-

-T32e- (C)	Designation		-T38- (A)	Designation
6	Right Front Midrange Speaker -R104-		6	Left Rear Bass Speaker -R15-
7	Left Rear Treble Speaker -R14-		7	Right Rear Bass Speaker -R17-
8	Right Rear Treble Speaker -R16-		8	Left Front Treble Speaker Motor -V344-
9	Left effects speaker -R209-		9	Left Front Treble Speaker Motor -V344-
10	Center speaker -R208-		10	Left Front Treble Speaker Motor -V344-
11			11	
12			12	
13	Ringbreak Diagnosis Wire to  OBD Connection 1 (in main wiring harness)		13	
14			14	Engine Control Module (ECM) -J623- / Subframe Mount Control Module -J931- 1)
15			15	Subwoofer -R211-
16	Terminal 31, to  Ground Connection 32 in main wiring harness 1)		16	Left Front Bass Speaker -R21-
17	Left Front Midrange Speaker -R103-		17	Right Front Bass Speaker -R23-
18	Right Front Midrange Speaker -R104-		18	Left Rear Bass Speaker -R15-
19	Left Rear Treble Speaker -R14-		19	Right Rear Bass Speaker -R17-
20	Right Rear Treble Speaker -R16-		20	Right Front Treble Speaker Motor -V345-
21	Left effects speaker -R209-		21	Right Front Treble Speaker Motor -V345-
22	Center speaker -R208-		22	Right Front Treble Speaker Motor -V345-
23	Right effects speaker -R210-		23	Inside Microphone -R74- In the Microphone Unit (in front roof module) -R164-
24			24	Noise Reduction Microphone 1 -R285- 1)
25	Center speaker 2 -R219-		25	Noise Reduction Microphone 2 -R286- 1)
26	Left Front Treble Speaker -R20-		26	Noise Reduction Microphone 3 -R287- 1)
27	Right Front Treble Speaker -R22-		27	Noise Reduction Microphone 4 -R288- 1)
28	Right effects speaker -R210-		28	
29			29	
30	Center speaker 2 -R219-		30	
31	Left Front Treble Speaker -R20-		31	Inside Microphone -R74- In the Microphone Unit (in front roof module) -R164-
32	Right Front Treble Speaker -R22-		32	Noise Reduction Microphone 1 -R285- 1)
			33	Noise Reduction Microphone 2 -R286- 1)
			34	Noise Reduction Microphone 3 -R287- 1)
			35	Noise Reduction Microphone 4 -R288- 1)

-T32e- (C)	Designation	-T38- (A)	Designation
		36	
		37	
		38	

◆ 1) Only for vehicles with noise compensation, EP1

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### 1.37 Rear View Camera System Control Module -J772-

⇒ “1.37.1 Rear View Camera System Control Module J772 , through model year 2014”, page 55

⇒ “1.37.2 Rear View Camera System Control Module J772 , model year 2015”, page 57

⇒ “1.37.3 Rear View Camera System Control Module J772 , from model year 2016”, page 59

#### 1.37.1 Rear View Camera System Control Module -J772- , through model year 2014

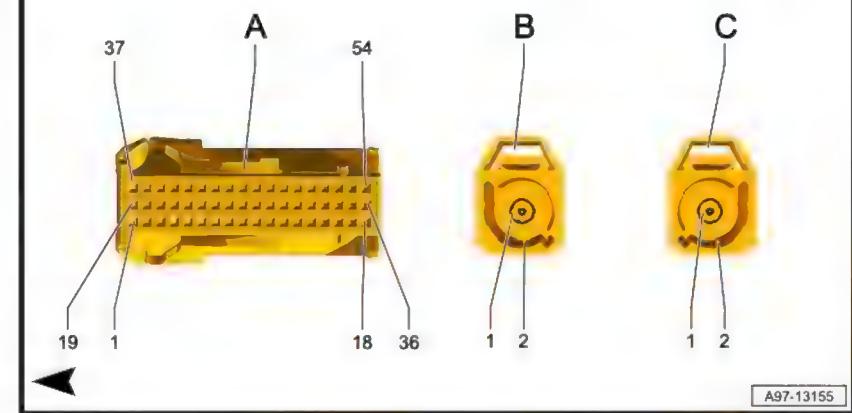
In right luggage compartment, behind side panel trim -1-.

1 - Rear View Camera System Control Module -J772-

A - 54-Pin Connector -T54a-

B - 2-Pin Connector -T2df- , green, Control Module for Information Electronics 1 -J794-

C - 2-Pin Connector -T2dg- , gray, Rear View Camera -R189-



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-T54a-	Designation	-T54a-	Designation	-T54a-	Designation
1		19		37	
2		20		38	
3		21		39	CAN-Bus Instrument Cluster Low, to Wiring junction for instrument cluster CAN Bus, Low-TV40-

-T54a-	Designation	-T54a-	Designation	-T54a-	Designation
4		22		40	CAN-Bus Instrument Cluster High, to Wiring junction for instrument cluster CAN-Bus, High -TV36-
5		23		41	
6		24		42	
7		25		43	Terminal 30, from Fuse Carrier 3 -ST3- in Fuse Panel F -SF-
8		26		44	Terminal 31, to <sup>51</sup> Ground Connection (in right luggage compartment)
9		27		45	
10		28		46	
11		29		47	Rear View Camera -R189-
12		30		48	Rear View Camera -R189-
13		31		49	
14		32		50	
15		33		51	
16		34		52	
17		35		53	
18		36		54	

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### 1.37.2 Rear View Camera System Control Module -J772-, model year 2015

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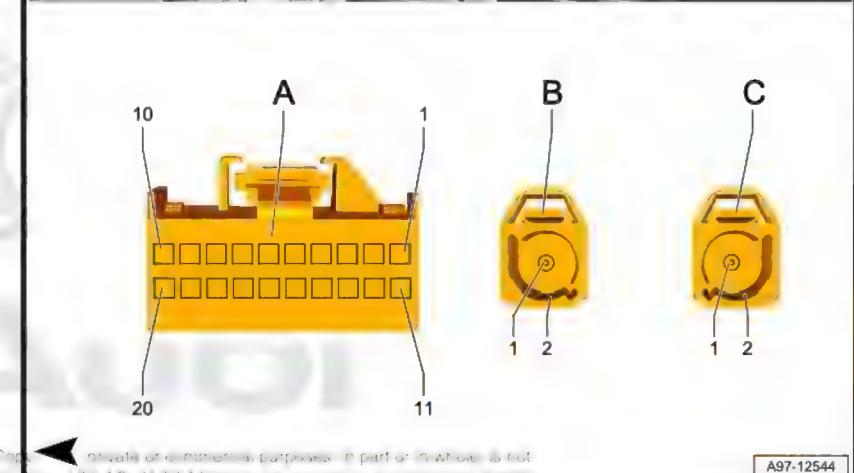
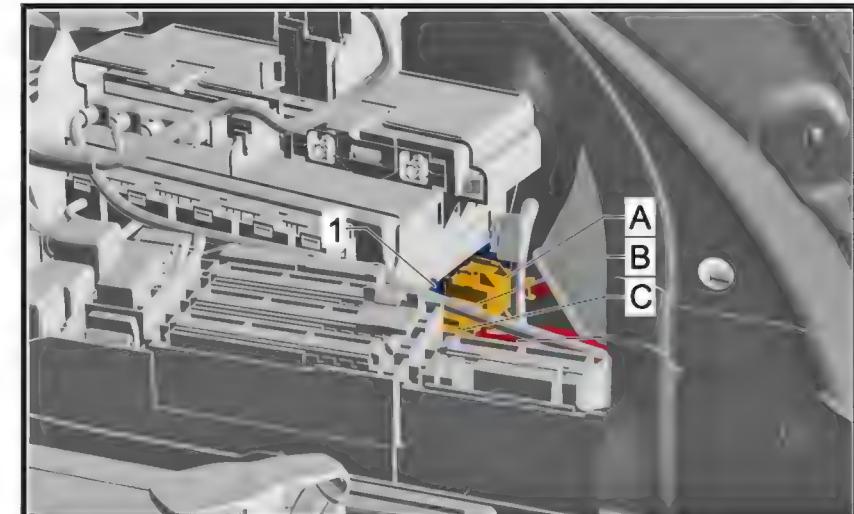
In right luggage compartment, behind side panel trim -1-.

1 - Rear View Camera System Control Module -J772-

A - 20-Pin Connector -T20I-, red

B - 2-Pin Connector -T2df-, green, Control Module for Information Electronics 1 -J794-

C - 2-Pin Connector -T2dg-, gray, Rear View Camera -R189-



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A97-12544

#### Pin Arrangements Rear View Camera System Control Module -J772-

-T20I- (A)	Designation	-T20I- (A)	Designation
1		11	CAN-Bus Instrument Cluster Low, to Wiring junction for instrument cluster CAN Bus, Low -TV40-
2		12	CAN-Bus Instrument Cluster High, to Wiring junction for instrument cluster CAN-Bus, High -TV36-
3		13	

-T20I- (A)	Designation	-T20I- (A)	Designation
4		14	
5		15	
6		16	
7		17	
8		18	
9	Rear View Camera -R189-	19	Rear View Camera -R189-
10	Terminal 30, from Fuse Carrier 3 -ST3- in Fuse Panel F -SF-	20	Terminal 31, to 51 Ground Connection (in right luggage compartment)

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### 1.37.3 Rear View Camera System Control Module -J772- , from model year 2016



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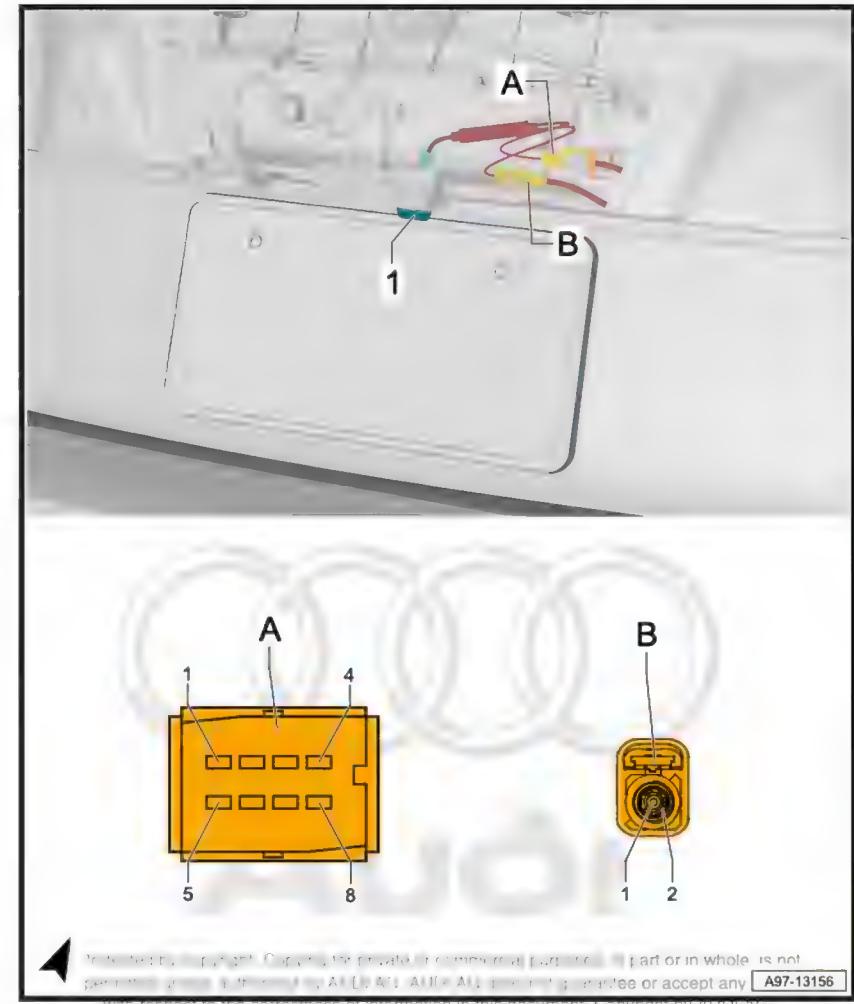
eMan

In rear lid button handle.

1 - Rear View Camera System Control Module -J772-

A - 8-Pin Connector -T8bg-, black

B - 2-Pin Connector -T2pb-, blue, Control Module for Information Electronics 1 -J794-



#### Pin Arrangements Rear View Camera System Control Module -J772-

-T8bg- (A)	Designation	-T8bg- (A)	Designation
1	Terminal 15, from Fuse Carrier 1 -ST1- in Fuse Panel B -SB-	5	Terminal 31, to 51 Ground Connection (in right luggage compartment)
2		6	
3		7	
4	Extended System CAN-Bus High, to B108 CAN-Bus Extended High Connection 1 (in main wiring harness)	8	Extended System CAN-Bus Low, to B109 CAN-Bus Extended Low Connection 1 (in main wiring harness)

[Back to overview](#) [page 1](#).

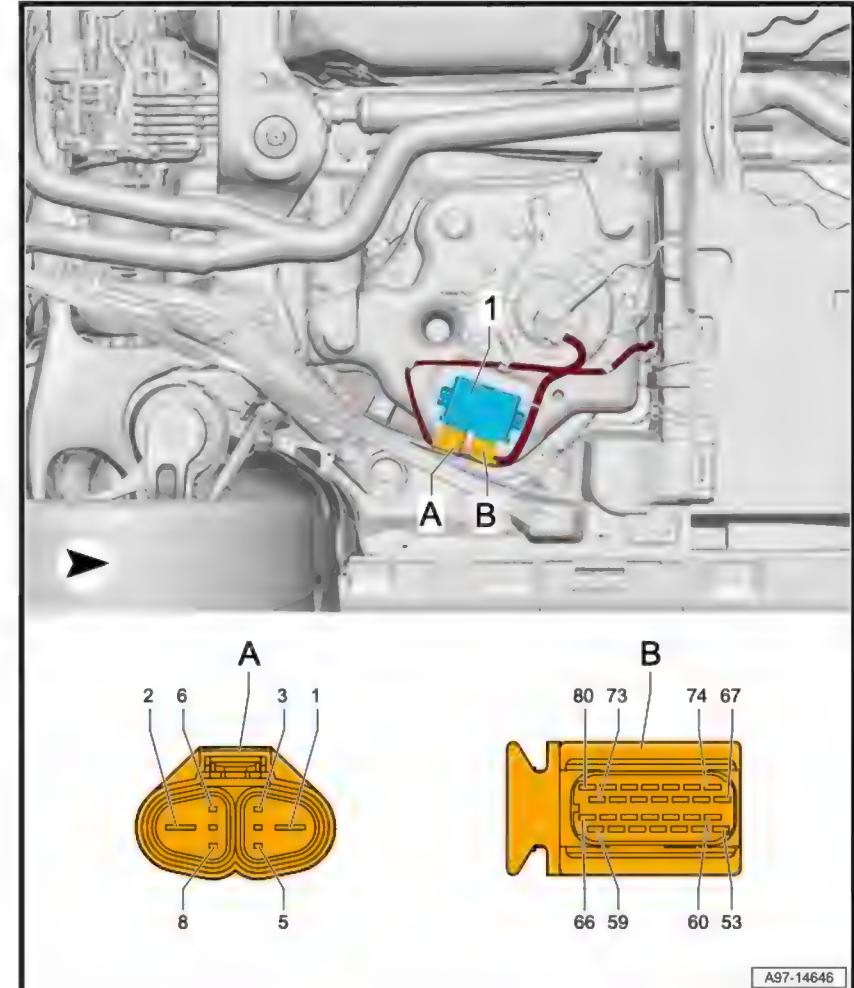
## 1.38 Reducing Agent Metering System Control Module -J880-

On reducing agent tank on left underbody (below).

1 - Reducing Agent Metering System Control Module -J880-

A - 8-Pin Connector -T8an-

B - 28-Pin Connector -T28a-



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## Pin Arrangements Reducing Agent Metering System Control Module -J880-

-T8an- (A)	Designation	-T8an- (A)	Designation
1	Terminal 31, to 34 Ground Connection (below front passenger's seat)	5	CAN-Bus powertrain, Low to B390 Powertrain CAN-Bus Low connection 1 (in main wiring harness)
2	Terminal 30, from Fuse Carrier 5 -ST5- in Fuse Panel F -SF- <sup>1)</sup> Fuse Carrier 2 -ST2- in Fuse Panel F -SF- <sup>2)</sup>	6	Terminal 30, from Fuse Carrier 3 -ST3- in Fuse Panel F -SF- <sup>1)</sup> Fuse Carrier 2 -ST2- in Fuse Panel F -SF- <sup>2)</sup>
3	CAN-Bus powertrain, High to B383 Powertrain CAN-Bus High connection 1 (in main wiring harness)	7	Reducing Agent Metering System Relay -J963-
4		8	Terminal 87, from Fuse Carrier 3 -ST3- in Fuse Panel B -SB-

◆ 1) For models through model year 2014

◆ 2) For models from model year 2015

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-T28a- (B)	Designation	-T28a- (B)	Designation
53	Reducing Agent Line Heater (Heating Circuit 2) -Z104-	67	Reducing Agent Temperature Sensor -G685- in Reducing Agent Metering System Delivery Unit -GX19-
54		68	
55	Reducing Agent Tank Sensor -G684- in Reducing Agent Metering System Delivery Unit -GX19-	69	Reducing Agent Pump -V437- in Reducing Agent Metering System Delivery Unit -GX19-
56		70	Reducing Agent Pump -V437- in Reducing Agent Metering System Delivery Unit -GX19-
57		71	Reducing Agent Pump -V437- in Reducing Agent Metering System Delivery Unit -GX19-
58		72	Reducing Agent Pump -V437- in Reducing Agent Metering System Delivery Unit -GX19-
59		73	Reducing Agent Metering System Pressure Sensor -G686- in Reducing Agent Metering System Delivery Unit -GX19-
60	Reducing Agent Temperature Sensor -G685- in Reducing Agent Metering System Delivery Unit -GX19-	74	Heater for reducing-agent tank (heater circuit 1) -Z102- in Reducing Agent Metering System Delivery Unit -GX19-
61	Reducing Agent Tank Sensor -G684- in Reducing Agent Metering System Delivery Unit -GX19-	75	Reducing Agent Tank Sensor -G684- in Reducing Agent Metering System Delivery Unit -GX19-
62		76	Reducing Agent Line Heater (Heating Circuit 2) -Z104-
63		77	
64	Heater for reducing-agent tank (heater circuit 1) -Z102- in Reducing Agent Metering System Delivery Unit -GX19-	78	
65		79	

-T28a- (B)	Designation	-T28a- (B)	Designation
66	Reducing Agent Metering System Pressure Sensor -G686- in Reducing Agent Metering System Delivery Unit -GX19-	80	Reducing Agent Metering System Pressure Sensor -G686- in Reducing Agent Metering System Delivery Unit -GX19-

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### 1.39 Peripheral Camera Control Module -J928-

Below front passenger's seat -1-.

1 - Peripheral Camera Control Module -J928-

A - 5-Pin Connector -T5ay- , blue, Rear Peripheral Camera -R246-

B - 5-Pin Connector -T5ax- , white, Front Peripheral Camera -R243-

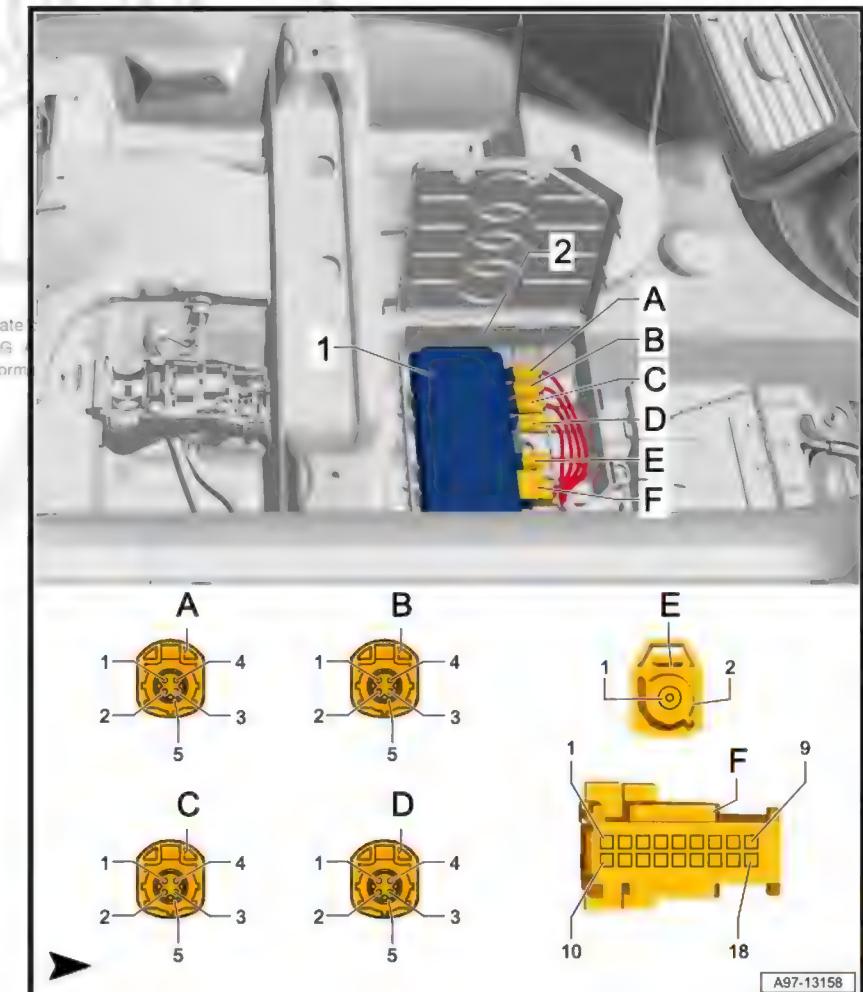
C - 5-Pin Connector -T5aw- , black, right Peripheral Camera -R245-

D - 5-Pin Connector -T5av- , green, left Peripheral Camera -R244-

E - 2-Pin Connector -T2lt- , green, Control Module for Information Electronics 1 -J794-

F - 18-Pin Connector -T18f- , black

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## Pin Arrangements Peripheral Camera Control Module -J928-

-T18f- (A)	Designation	-T18f- (A)	Designation
1	Terminal 30, from Fuse Carrier 3 -ST3- in Fuse Panel F -SF-	10	CAN-Bus Instrument Cluster Low, to Wiring junction for instrument cluster CAN Bus, Low -TV40-
2	CAN-Bus Instrument Cluster High, to Wiring junction for instrument cluster CAN-Bus, High -TV36-	11	
3		12	Terminal 31, to  Ground Connection 2 (on Center Tunnel)
4		13	
5		14	
6		15	
7		16	
8		17	
9		18	

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## 1.40 Amplifier for Telephone -R86-

⇒ "1.40.1 Amplifier for Telephone R86 , through model year 2014", page 64

⇒ "1.40.2 Amplifier for Telephone R86 , from model year 2015", page 66

### 1.40.1 Amplifier for Telephone -R86- , through model year 2014



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In right luggage compartment, behind side panel trim



#### Note

*From model year 2013 the connectors -B- and -C- on Cellular telephone amplifier -R86- changed.*

1 - Amplifier for Telephone -R86-

A - 2-Pin Connector -T2dc- , purple

- from Telephone Antenna -R65-

B - 2-Pin Connector -T2dd- , black

- Through model year 2012
- to Telephone Baseplate -R126-

B - 4-Pin Connector -T4az- , black

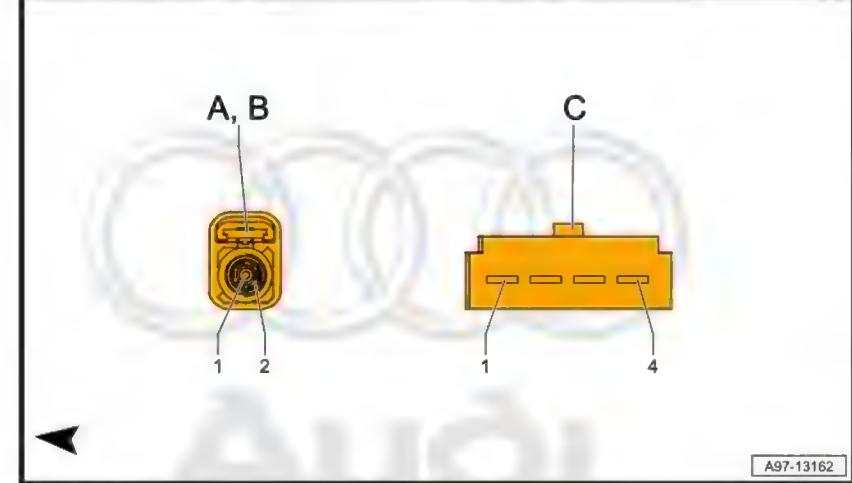
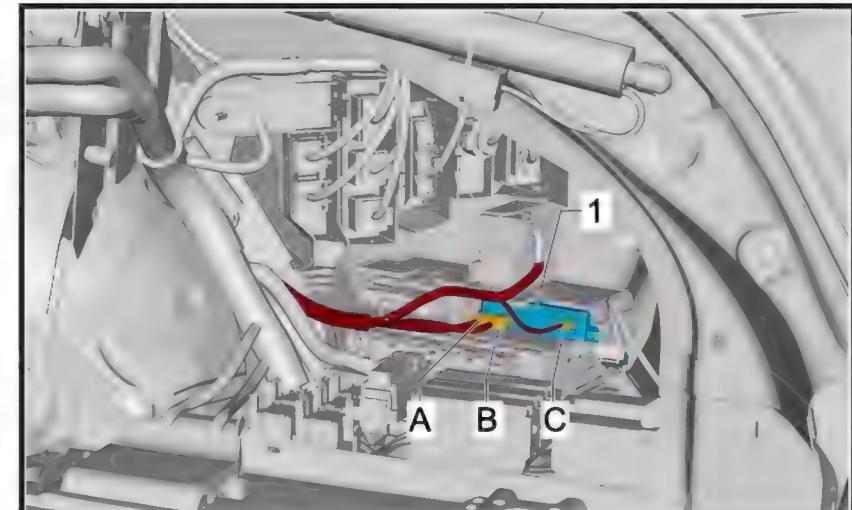
- from model year 2013

C - 4-Pin Connector -T4az- , black

- Through model year 2012

C - 2-Pin Connector -T2dd- , black

- from model year 2013
- to Telephone Baseplate -R126-



A97-13162

#### Pin Arrangements Amplifier for Telephone -R86-

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-T4az- (B/C)	Designation
1	Terminal 30, from Fuse Carrier 2 -ST2- in Fuse Panel F -SF-
2	Terminal 31, to  Ground Connection (in right luggage compartment)
3	Control Module for Information Electronics 1 -J794- / Telephone Baseplate -R126-
4	

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## 1.40.2 Amplifier for Telephone -R86- , from model year 2015

In left luggage compartment, behind side panel trim

1 - Amplifier for Telephone -R86-

A - 2-Pin Connector -T2dc- , purple

- Through model year 2017
- from Telephone Antenna -R65-

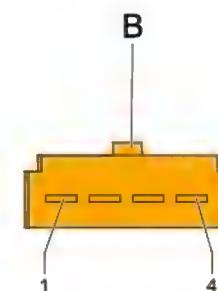
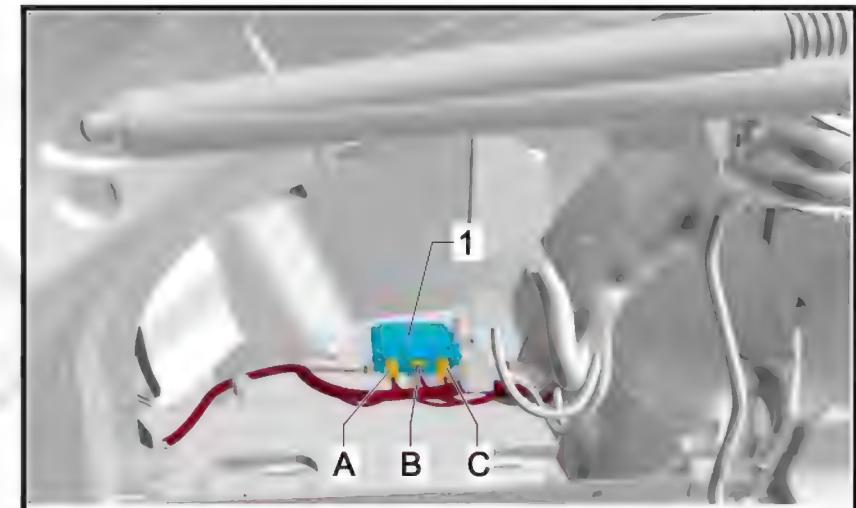
A - 2-Pin Connector -T2dc- , purple/beige/curry yellow

- from model year 2018
- Connector colour purple: only models for area ECE (GB1)
- Connector colour beige: only models for area NAR (GB2)
- Connector colour curry yellow: only models for area China, Asia (GB3)
- from Telephone Antenna -R65-

B - 4-Pin Connector -T4az- , black

C - 2-Pin Connector -T2dd- , black

- to Telephone Baseplate -R126-



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Pin Arrangements Amplifier for Telephone -R86-

-T4az- (B)	Designation
1	Terminal 30, from Fuse Carrier 2 -ST2- in Fuse Panel F -SF-
2	Terminal 31, to <u>50</u> Ground Connection (in left luggage compartment)
3	Control Module for Information Electronics 1 -J794- / Telephone Baseplate -R126-
4	

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#### 1.41 Telephone/Telematics Control Module -J526-

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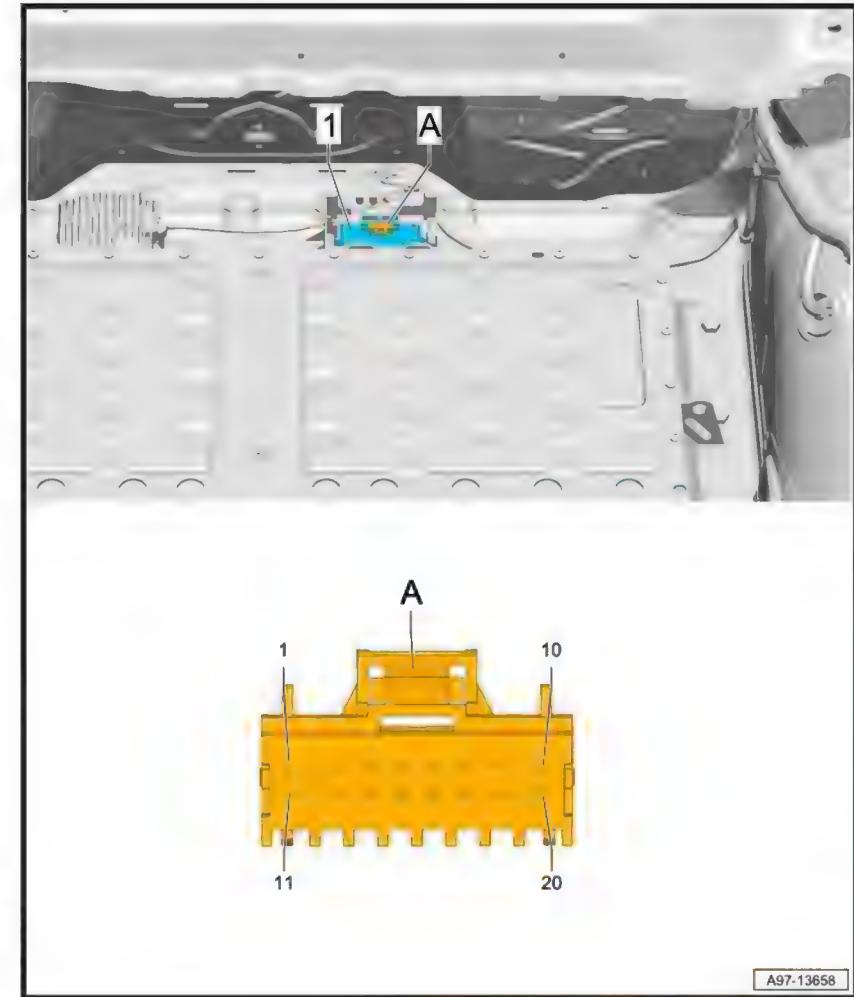
In left center luggage compartment before Hybrid Battery Unit -AX1- .

1 - Telephone/Telematics Control Module -J526-

A - 20-Pin Connector -T20n- , brown



Picture showing the location of the component in the luggage compartment. In white, the position of the component is indicated. The Audi A6 model year 2010 is shown.



#### Pin Arrangements Telephone/Telematics Control Module -J526-

-T20n- (A)	Designation	-T20n- (A)	Designation
1	Terminal 30, from Fuse Carrier 1 -ST1- in Fuse Panel F -SF-	11	Terminal 31, to 51 Ground Connection (in right luggage compartment)
2		12	
3		13	
4		14	
5	CAN-Bus Low, to Telematics Interface Control Module -J1221-	15	CAN-Bus High, to Telematics Interface Control Module -J1221-

-T20n- (A)	Designation	-T20n- (A)	Designation
6		16	
7		17	
8		18	
9	CAN-Bus Hybrid Low, to (in main wiring harness)	B777	Hybrid CAN bus low connection 1
10	CAN-Bus Hybrid Low, to (in main wiring harness)	B817	Hybrid CAN bus low connection 2
		19	CAN-Bus Hybrid High, to main wiring harness)
		20	CAN-Bus Hybrid High, to main wiring harness)
		B776	Hybrid CAN bus high connection 1 (in
		B816	Hybrid CAN bus high connection 2 (in

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## 1.42 Telematics Interface Control Module -J1221-



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In left center luggage compartment before Hybrid Battery Unit -AX1- .

1 - Telematics Interface Control Module -J1221-

A - 2-Pin Connector -T2qn- , purple

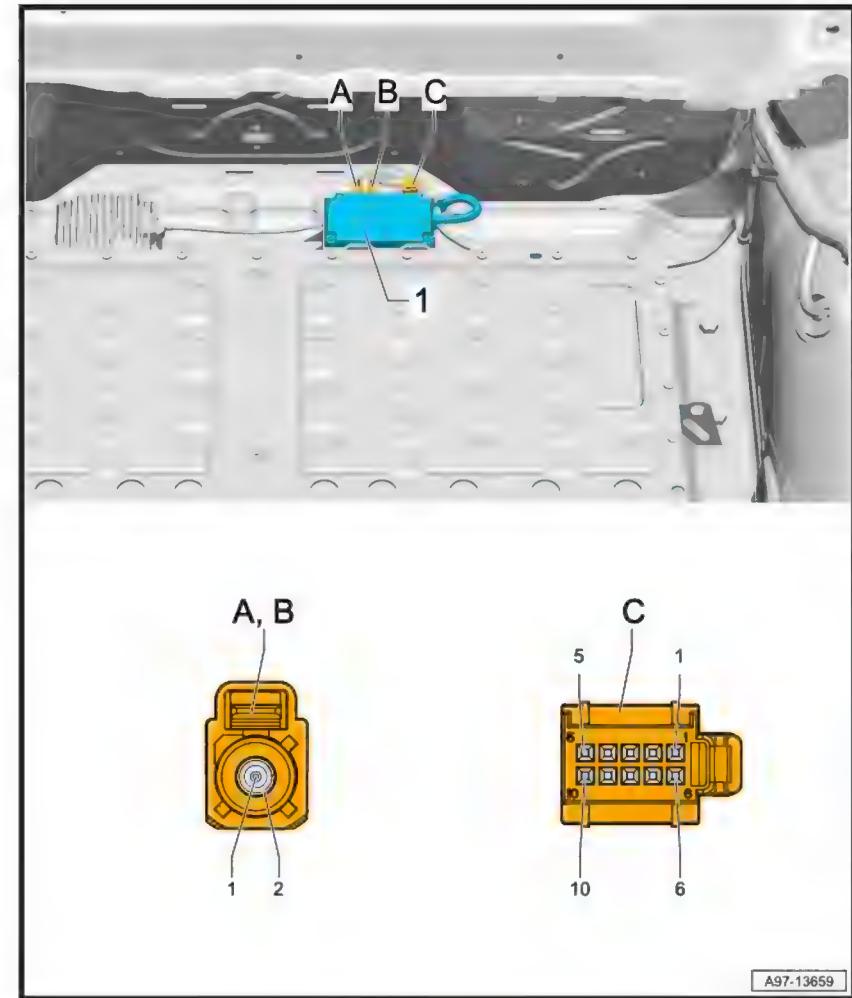
from Telephone Antenna -R65- in Radio Data Transmission Antenna -R180-

B - 2-Pin Connector -T2qo- , blue

from Navigation System Antenna -R50- in Radio Data Transmission Antenna -R180-

C - 10-Pin Connector -T10qp- , black

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#### Pin Arrangements Telematics Interface Control Module -J1221-

-T10qp- (C)	Designation	-T10qp- (C)	Designation
1	Terminal 30, from Fuse Carrier 1 -ST1- in Fuse Panel F -SF-	6	Terminal 31, to 51 Ground Connection (in right luggage compartment)
2		7	
3		8	
4		9	

-T10qp-(C)	Designation	-T10qp-(C)	Designation
5	CAN-Bus Low, to Telephone/Telematics Control Module -J526-	10	CAN-Bus High, to Telephone/Telematics Control Module -J526-

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## 1.43 Overview of Control Modules for High-Voltage Models

1 -  
Electrical A/C Compressor -V470-

- Components: -J842-, -P3-
- and Connectors [page 72](#)

2 -  
Electric Drive Power and Control Electronics -JX1-

- Components: -J841-, -A37-, -A19-
- and Connectors [page 73](#)

3 -  
Hybrid Battery Unit -AX1-

- Components: -J840-, -A38-, -TW-, -S350-, -TV44-, -P2-, -P1-
- and Connectors [page 75](#)

4 -  
Auxiliary Battery -A1- High-Voltage System

- Components: -J934-
- and Connectors [page 78](#)

5 -  
High-Voltage System Battery Cooling Module

- Components: -G756-, -G757-, -N516-, -V457-, -V479-, -V480-
- and Connectors [page 76](#)

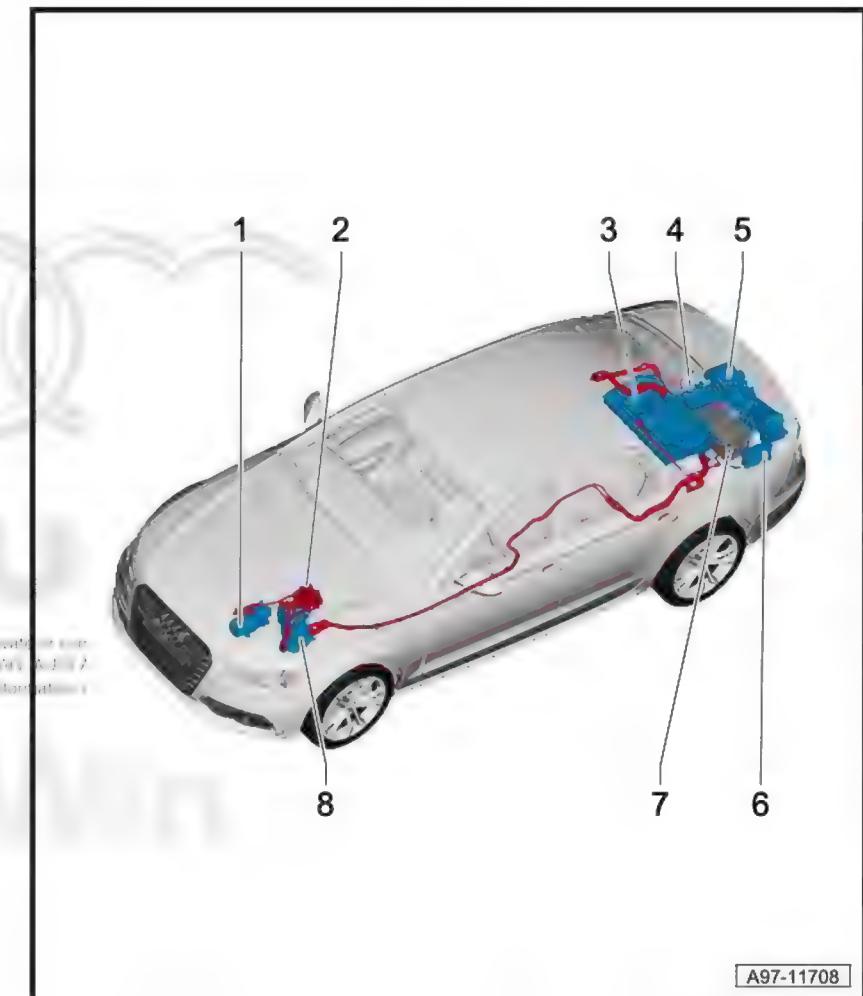
6 -  
Wire Junction -TV1- High-Voltage System

- Components: -J580-, -S207-, -S208-, -S209-, -J7-
- and Connectors [page 77](#)

7 - Battery -A-

8 -  
Electro-Drive Drive Motor -V141-

- Components: -VX54-, -G712-, -P4-, -P5-, -P6-



A97-11708

and Connectors [page 74](#)

## 1.44 Electrical A/C Compressor -V470- Models with High-Voltage System

on left engine block -2-.

1 - 8-Pin Connector -T8ba- , black

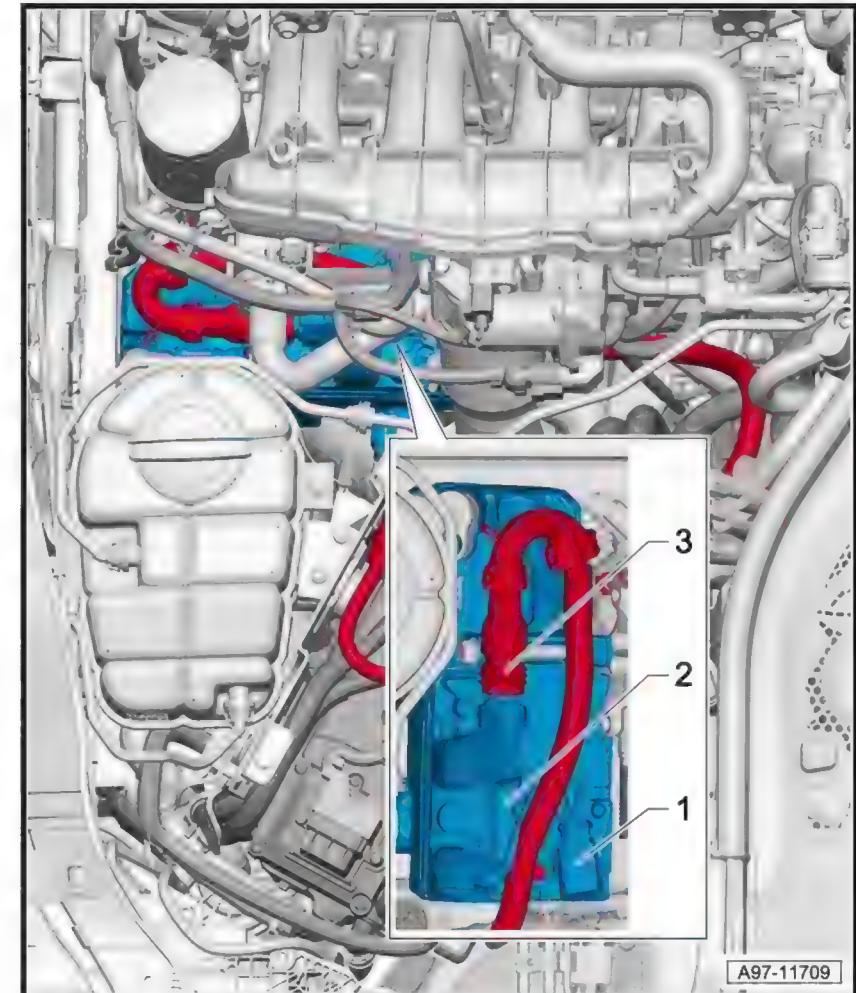
2 - Electrical A/C Compressor -V470-

Internal Components: A/C Compressor Control Module -J842-

3 - 4-Pin Connector -T4fq- , Electrical A/C Compressor High Voltage Cable -P3-



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## 1.45 Electric Drive Power and Control Electronics -JX1- , models with High-Voltage System

In front left in engine compartment -A-.

### A - Electric Drive Power and Control Electronics -JX1-

Internal Components: Electrical Drive Control Module -J841- , Drive Motor Inverter -A37- , Voltage Converter -A19-

A1 - 1-Pin Connector -T1p- , Hybrid Battery High Voltage Cable, Positive Terminal -P1-

A2 - 1-Pin Connector -T1o- , Hybrid Battery High Voltage Cable, Negative Terminal -P2-

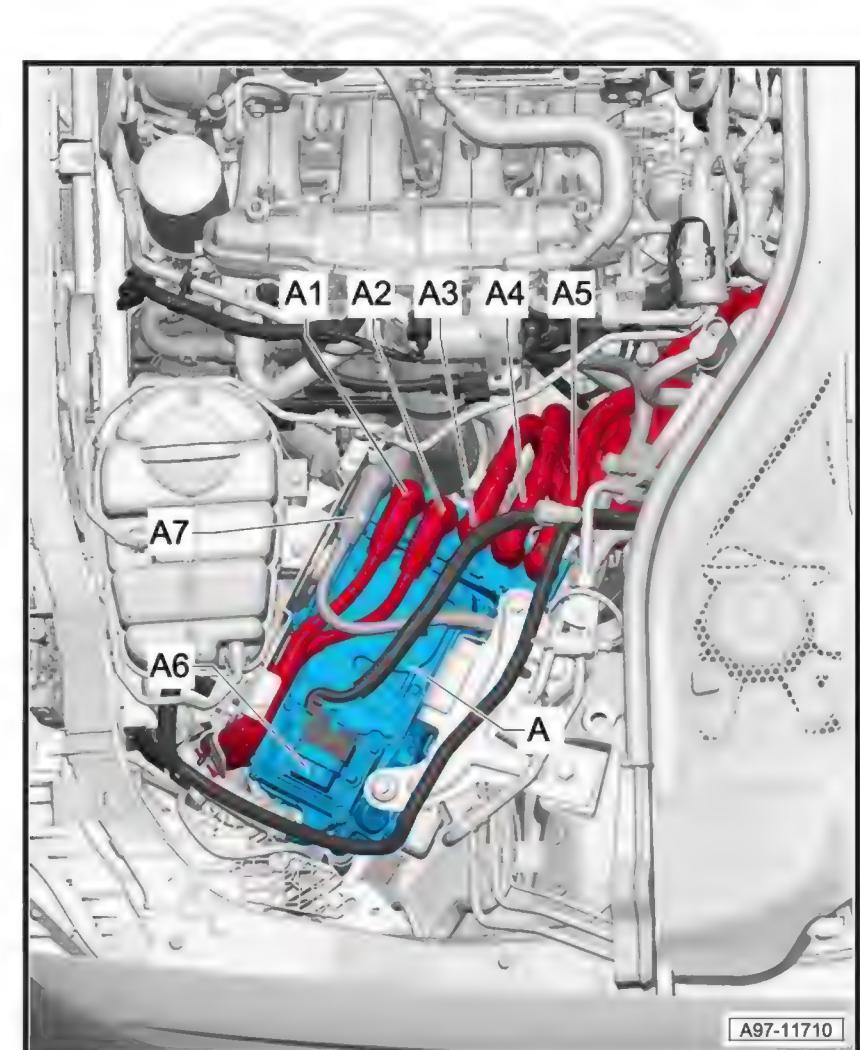
A3 - 1-Pin Connector -T1h- , Drive Motor High Voltage Cable 3 -P6-

A4 - 1-Pin Connector -T1g- , Drive Motor High Voltage Cable 2 -P5-

A5 - 1-Pin Connector -T1f- , Drive Motor High Voltage Cable 1 -P4-

A6 - 28-Pin Connector -T28b- , black

A7 - 4-Pin Connector -T4fp- , Electrical A/C Compressor High Voltage Cable -P3-



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## 1.46 Electro-Drive Drive Motor -V141-, models with High-Voltage System

On transmission housing -A-.

A - Electro-Drive Drive Motor -V141-

Internal Components: Three-Phase Current Drive -VX54-, Drive motor temperature sensor -G712-

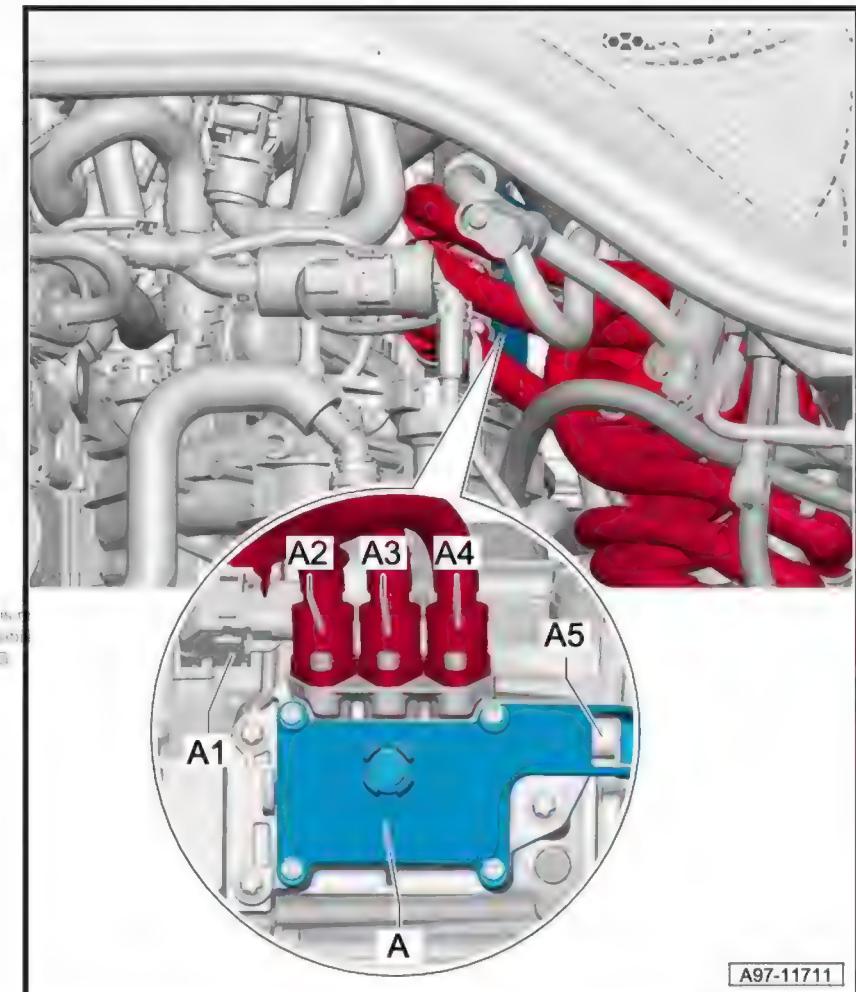
A1 - 10-Pin Connector -T10ao-, black

A2 - 1-Pin Connector -T1i-, Drive Motor High Voltage Cable 1 -P4-

A3 - 1-Pin Connector -T1k-, Drive Motor High Voltage Cable 2 -P5-

A4 - 1-Pin Connector -T1l-, Drive Motor High Voltage Cable 3 -P6-

A5 - 2-Pin Connector -T2ms-, black



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## 1.47 Hybrid Battery Unit -AX1- , models with High-Voltage System

Under cover of luggage compartment -A-.

A - Hybrid Battery Unit -AX1-

Internal Components: Battery Regulation Control Module -J840- , Hybrid Battery -A38-

A1 - 8-Pin Connector -T8az- , black

A2 - 14-Pin Connector -T14l- , black

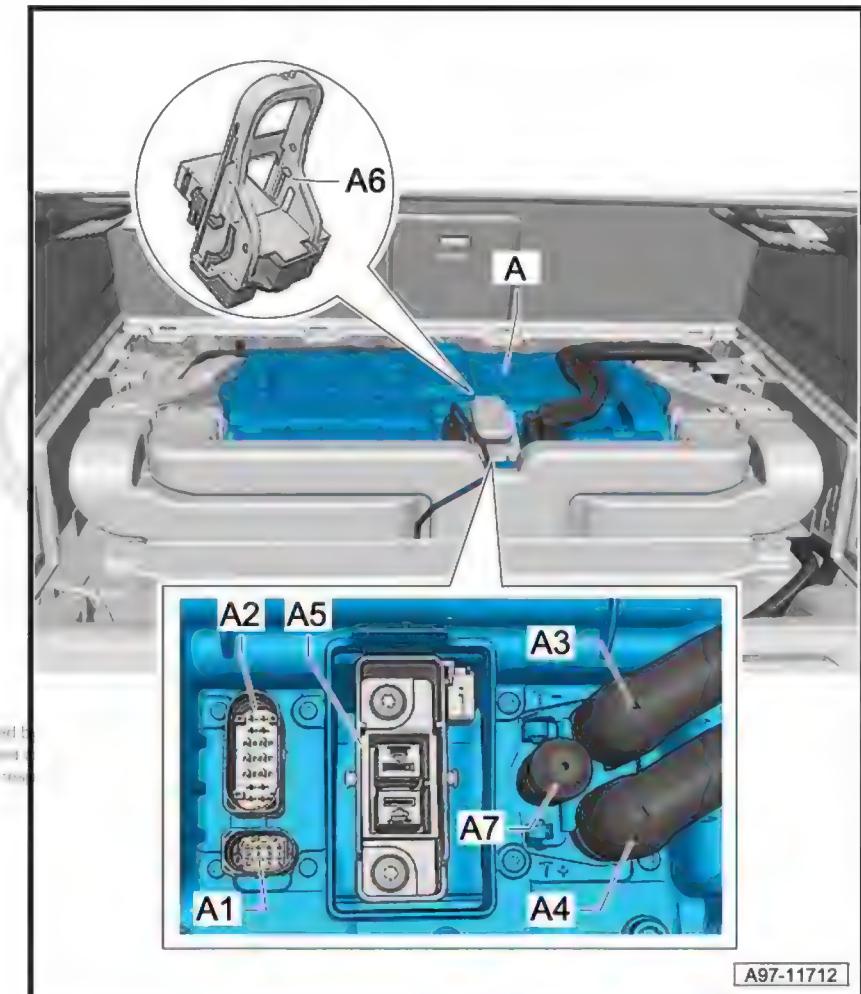
A3 - 1-Pin Connector -T1n- , Hybrid Battery High Voltage Cable, Negative Terminal -P2-

A4 - 1-Pin Connector -T1m- , Hybrid Battery High Voltage Cable, Positive Terminal -P1-

A5 - Connection for High Voltage System Maintenance Connector -TW-

A6 - High Voltage System Maintenance Connector -TW- with High Voltage System Fuse -S350-

A7 - Safety Connector 1 -TV44-



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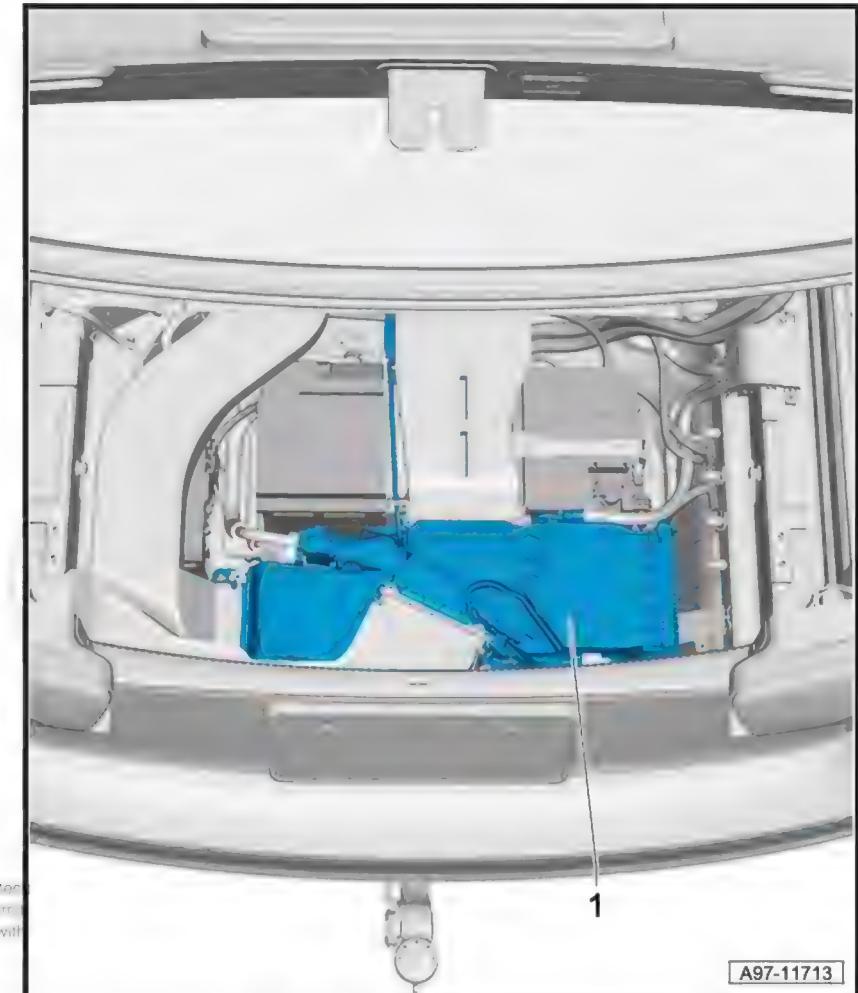
## 1.48 , Battery Cooling Module, Models with High-Voltage System

Under cover of luggage compartment -1-.

### 1 - High-Voltage System Battery Cooling Module

Components:

- ◆ Temperature Sensor Before Hybrid Battery Evaporator -G756-
- ◆ Temperature Sensor After Hybrid Battery Evaporator -G757-
- ◆ Hybrid Battery Refrigerant Shut-Off Valve 1 -N516-
- ◆ Battery Fan 1 -V457-
- ◆ Hybrid Battery Recirculation Door Positioning Motor 1 -V479-
- ◆ Hybrid Battery Recirculation Door Positioning Motor 2 -V480-



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## 1.49 Wire Junction -TV1-, models with High-Voltage System

Under cover of left luggage compartment, beside Battery -A- .

A - Wiring Connection to Battery -A-

B - Starter Battery Switch-Over Relay -J580-

B1 - 2-Pin Connector -T2mv- , black

F1 - Wiring Connection to Terminal 30 Wire Junction -TV2-

D - Fuse 4 - terminal 30 -S207- , 150 A

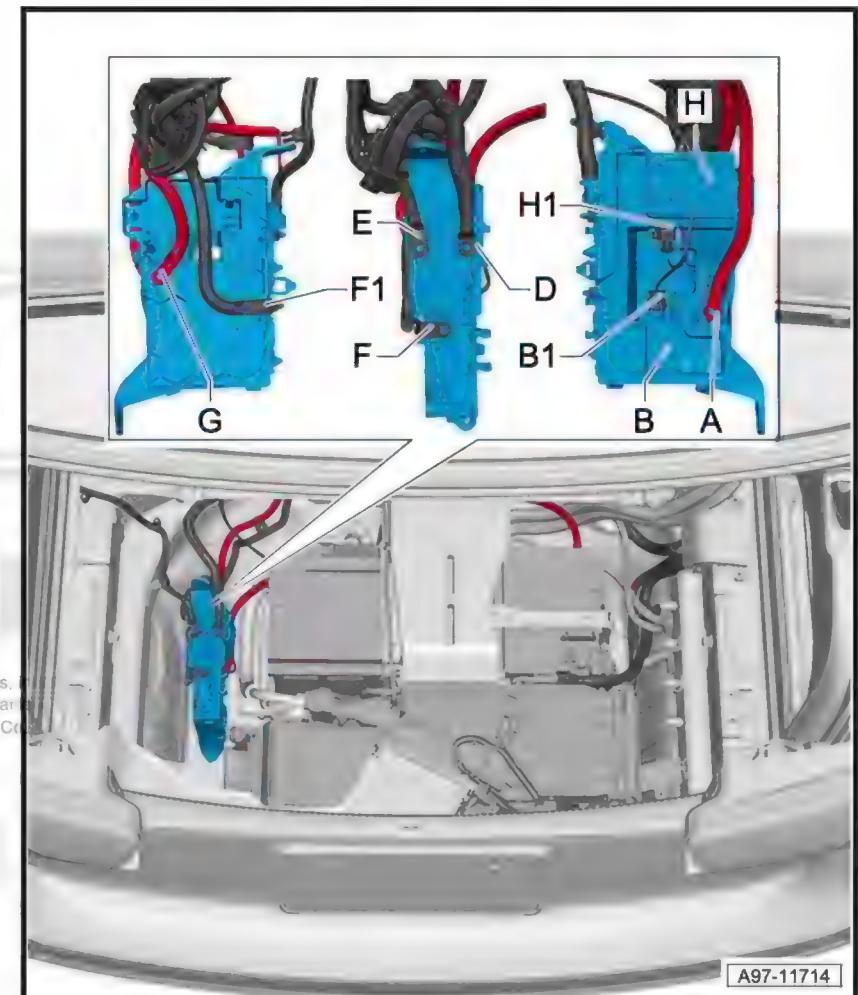
E - Fuse 5 - terminal 30 -S208- , 150 A

F - Fuse 6 - terminal 30 -S209- , 200 A

G - Wiring Connection to Auxiliary Battery -A1-

H - Battery Separation Relay -J7-

H1 - 2-Pin Connector -T2mw- , black



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## 1.50 Auxiliary Battery -A1- , models with High-Voltage System

Under cover of right luggage compartment, beside Battery -A- -1-.

1 - Auxiliary Battery -A1-

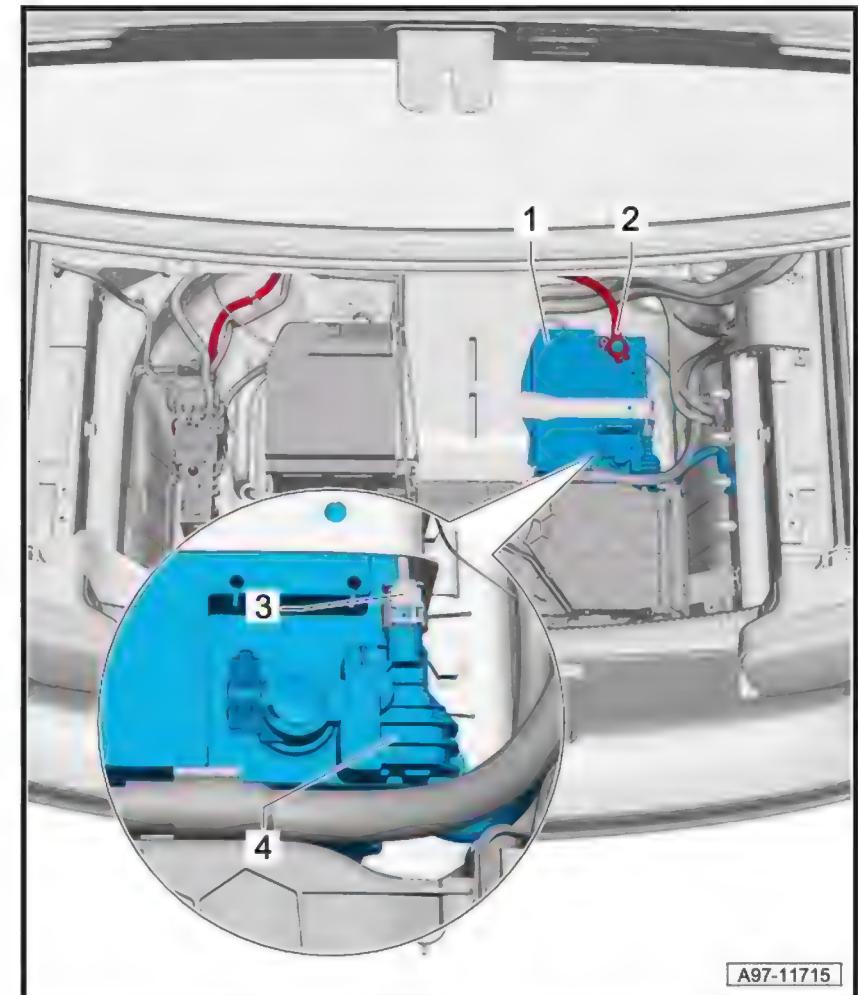
2 - Battery positive

3 - 2-Pin Connector -T2mu- , yellow

4 - Battery Monitoring Control Module 2 -J934-



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## 1.51 Additional control modules and components in rear part, for models with high-voltage system, overview, from Week 47/2016

1 -

Hybrid Battery Unit -AX1-

- Components: -J840-, -SX6-
- and Connectors [page 80](#)

2 - Battery Regulation Control Module -J840-

- and connectors, from Week 47/2016 [page 82](#)
- , from Week 45/2011 [page 75](#)

3 -

High voltage battery charger 1 -AX4-

- Components: -J1050-
- and Connectors [page 86](#)

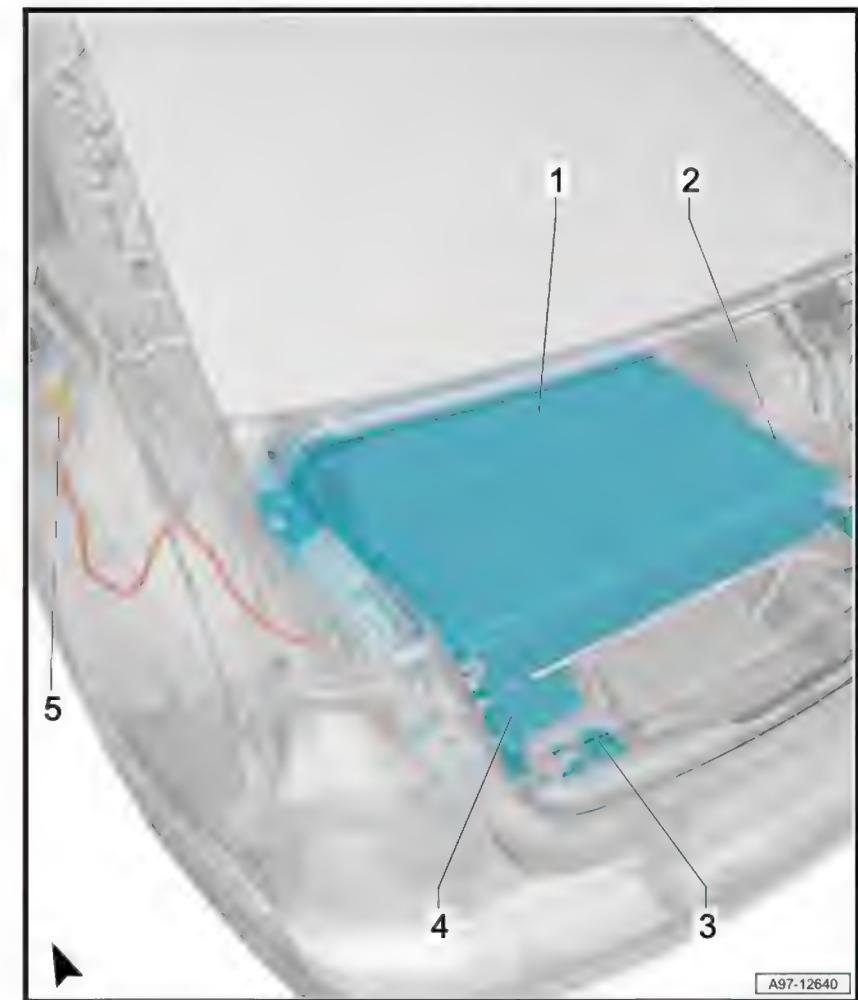
4 - Wire Junction -TV1-

5 -

High voltage battery charging socket 1 -UX4-

- Components: -F498-, -G853-
- and Connectors [page 84](#)

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## 1.52 Hybrid Battery Unit -AX1-, from Week 47/2016

In luggage compartment, center.

1 - Hybrid Battery Unit -AX1-

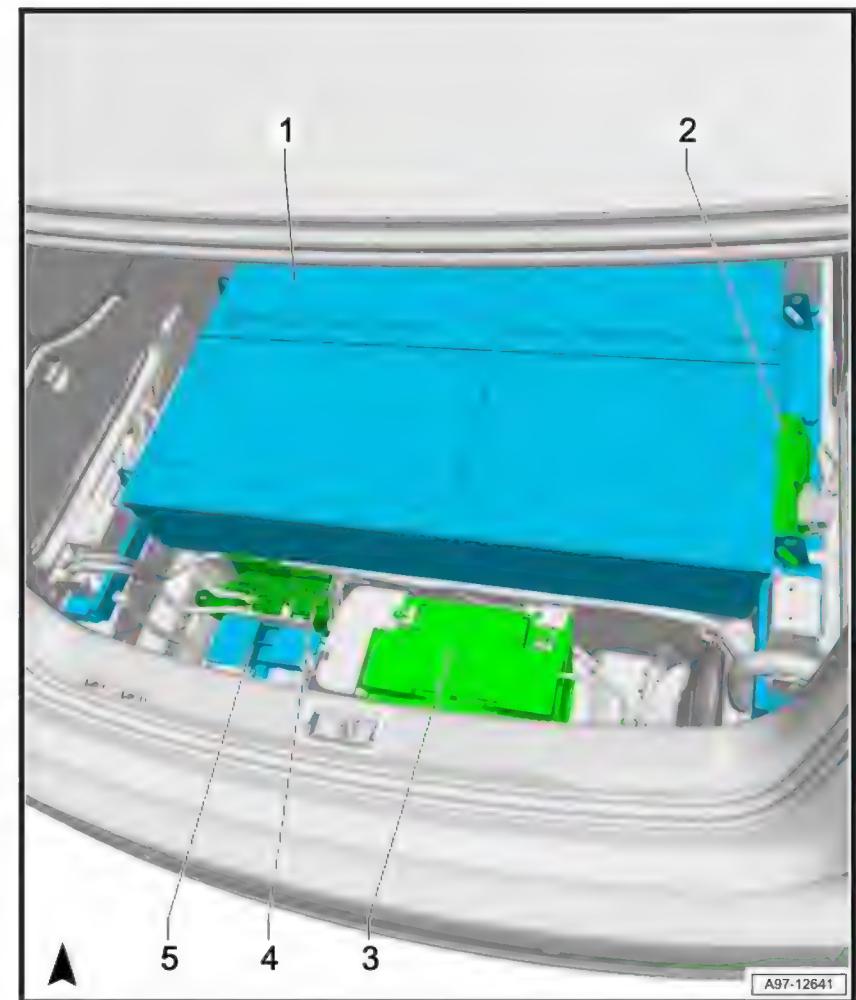
with Battery Regulation Control Module -J840-, High-Voltage Battery Switch Box -SX6-

2 - Battery Regulation Control Module -J840-

3 - Battery -A-

4 - Wire Junction -TV1-

5 - Auxiliary Battery -A1-



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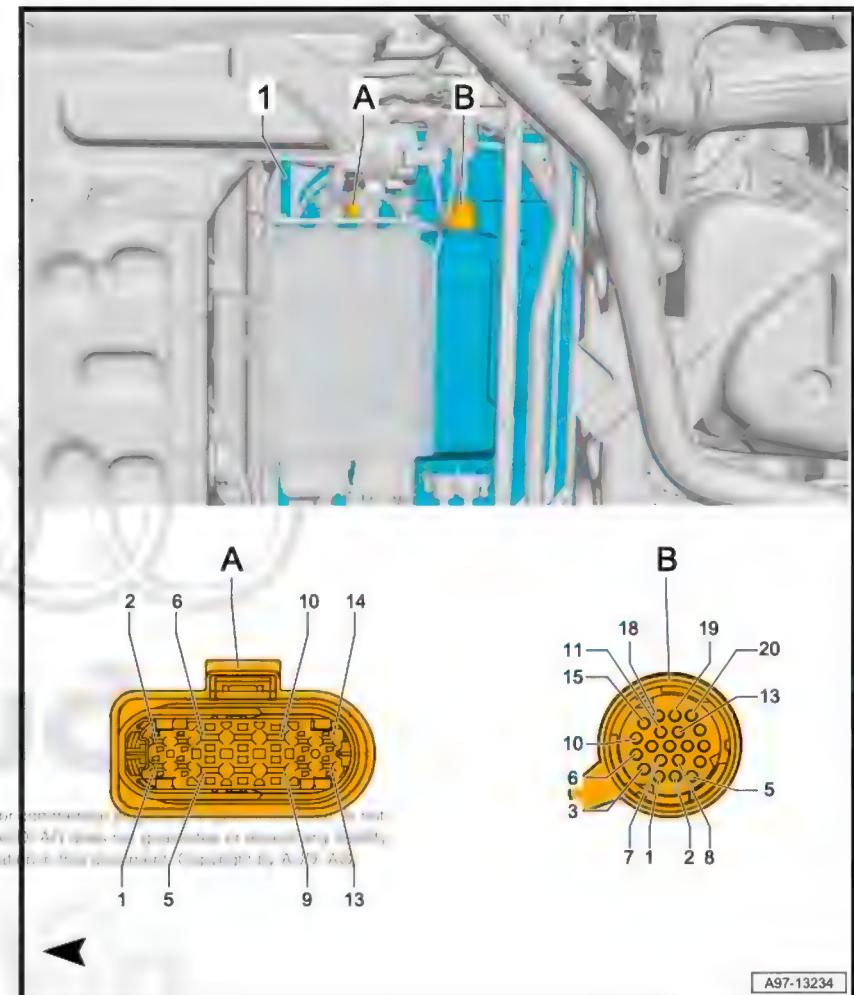
## 1.53 Connectors Hybrid Battery Unit -AX1-, from Week 47/2016

Rear on underbody below Hybrid Battery Unit -AX1-.

1 - Hybrid Battery Unit -AX1-

A - 14-Pin Connector -T14w-, black

B - 20-Pin Connector -T20m-, black



### Pin Arrangements Hybrid Battery Unit -AX1-

-T14w- (A)	Designation	-T20m- (B)	Designation
1	Airbag Control Module -J234-	1	CAN-Bus Hybrid Low, to main wiring harness) B817 Hybrid CAN bus low connection 2 (in

-T14w- (A)	Designation	-T20m- (B)	Designation
2	20-Pin Connector -T20m- , Connection Bridge	2	CAN-Bus Hybrid High, to (in main wiring harness) <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">B816</span> Hybrid CAN bus high connection 2
3	Airbag Control Module -J234-	3	
4	20-Pin Connector -T20m- , Connection Bridge	4	Terminal 30, from <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">P8</span> Connection 2 (in High-Voltage Battery Wiring Harness), Fuse Carrier 3 -ST3- in Fuse Panel F -SF-
5		5	Terminal 31, to <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">399</span> Ground Connection 34 (in main wiring harness) <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">51</span> Earth point, on right in luggage compartment
6	Battery Regulation Control Module -J840-	6	
7		7	14-Pin Connector -T14w- , Connection Bridge
8		8	Terminal 30, from <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">P7</span> Connection 1 (in High-Voltage Battery Wiring Harness), High Voltage System Maintenance Connector -TW-
9	Terminal 31, to <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">399</span> Ground Connection 34 (in main wiring harness) <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">51</span> Earth point, on right in luggage compartment	9	Battery Regulation Control Module -J840- , Pilot Line
10		10	14-Pin Connector -T14w- , Connection Bridge
11	Battery Regulation Control Module -J840- <small>Copyright by AUDI AG.</small>	11	Battery Regulation Control Module -J840-
12	Battery Regulation Control Module -J840- <small>Copyright by AUDI AG.</small>	12	
13	CAN-Bus Hybrid High, to <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">B816</span> Hybrid CAN bus high connection 2 (in main wiring harness)	13	
14	CAN-Bus Hybrid Low, to <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">B817</span> Hybrid CAN bus low connection 2 (in main wiring harness)	14	High voltage heater (PTC) control module -J848- , Pilot Line
		15	
		16	
		17	
		18	
		19	
		20	

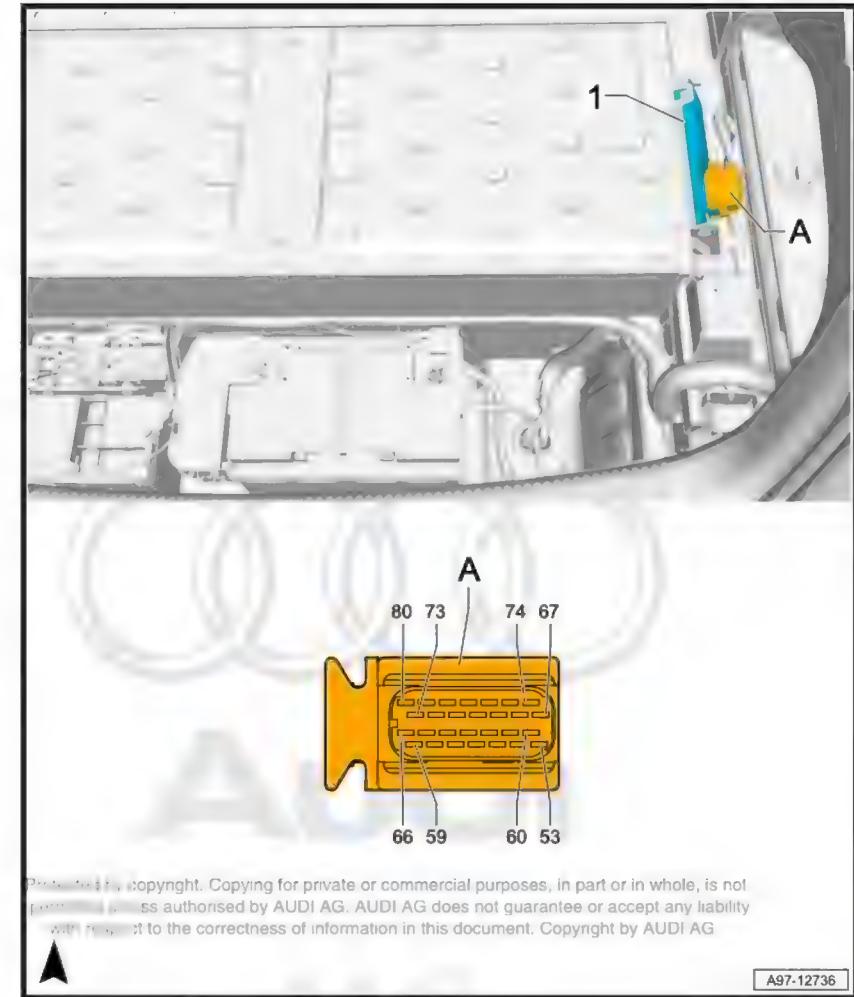
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## 1.54 Battery Regulation Control Module -J840- , from Week 47/2016

In luggage compartment right, on Hybrid Battery Unit -AX1- .

1 - Battery Regulation Control Module -J840-

A - 28-Pin Connector -T28c-, black



#### Pin Arrangements Battery Regulation Control Module -J840-

-T28c-(A)	Designation	-T28c-(A)	Designation	-T28c-(A)	Designation
53	CAN-Bus Hybrid High, to <small>(B816) Hybrid CAN bus</small> high connection 2 (in main wiring harness)	63	Hybrid Battery Unit -AX1-	73	High voltage battery coolant pump -V590-

-T28c-(A)	Designation	-T28c-(A)	Designation	-T28c-(A)	Designation
54	CAN-Bus Hybrid Low, to <small>(B817) Hybrid CAN bus low connection 2 (in main wiring harness)</small>	64		74	Hybrid Battery Unit -AX1-
55	CAN-Bus Hybrid High, to <small>(B776) Hybrid CAN bus high-connection 1 (in main wiring harness)</small>	65		75	Hybrid Battery Unit -AX1-
56	CAN-Bus Hybrid Low, to <small>(B777) Hybrid CAN bus low connection 1 (in main wiring harness)</small>	66	High Voltage System Maintenance Connector -TW-, Pilot Line	76	Hybrid Battery Unit -AX1-
57		67	High-voltage battery coolant pump relay -J1156-	77	Hybrid Battery Unit -AX1-, Pilot Line
58		68		78	High-Voltage Battery Coolant Temperature Sensor 2 -G899-
59	Terminal 31, to <small>(399) Ground Connection 34 (in main wiring harness) 51 Earth point, on right in luggage compartment</small>	69		79	High-Voltage Battery Coolant Temperature Sensor 2 -G899-
60	Terminal 30, from <small>(P8) Connection 2 (in High-Voltage Battery Wiring Harness), Fuse Carrier 3 -ST3- in Fuse Panel F -SF-</small>	70	High-Voltage Battery Coolant Temperature Sensor 1 -G898-	80	Terminal 30, from <small>(P7) Connection 1 (in High-Voltage Battery Wiring Harness), High-Voltage System Maintenance Connector -TW-</small>
61		71	High-Voltage Battery Coolant Temperature Sensor 1 -G898-		
62		72			

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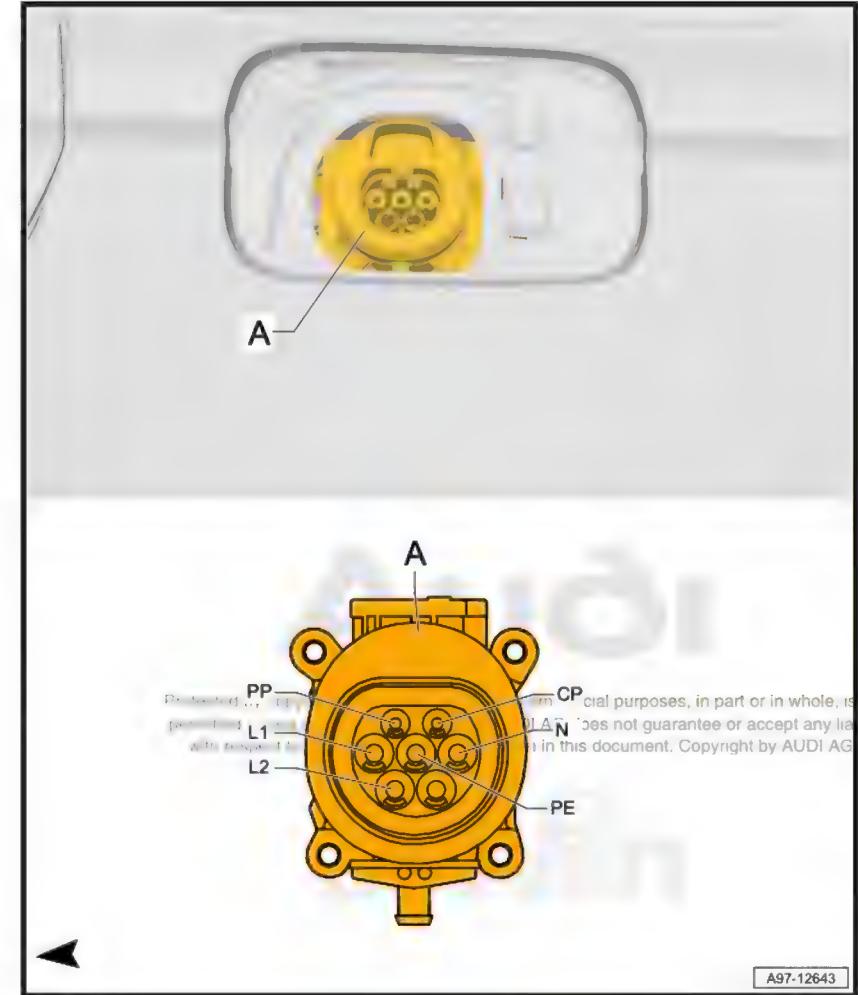
## 1.55 High voltage battery charging socket 1 -UX4- , from Week 47/2016

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In left side panel, above wheel housing.

A - High voltage battery charging socket 1 -UX4-

- with High voltage connector lock 1 adjuster -F498-, Charging socket temperature sensor 1 -G853-



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## 1.56 High voltage battery charger 1 -AX4-, from Week 47/2016

1 - High voltage battery charger 1 -AX4-

 with High voltage battery charger control module -J1050-

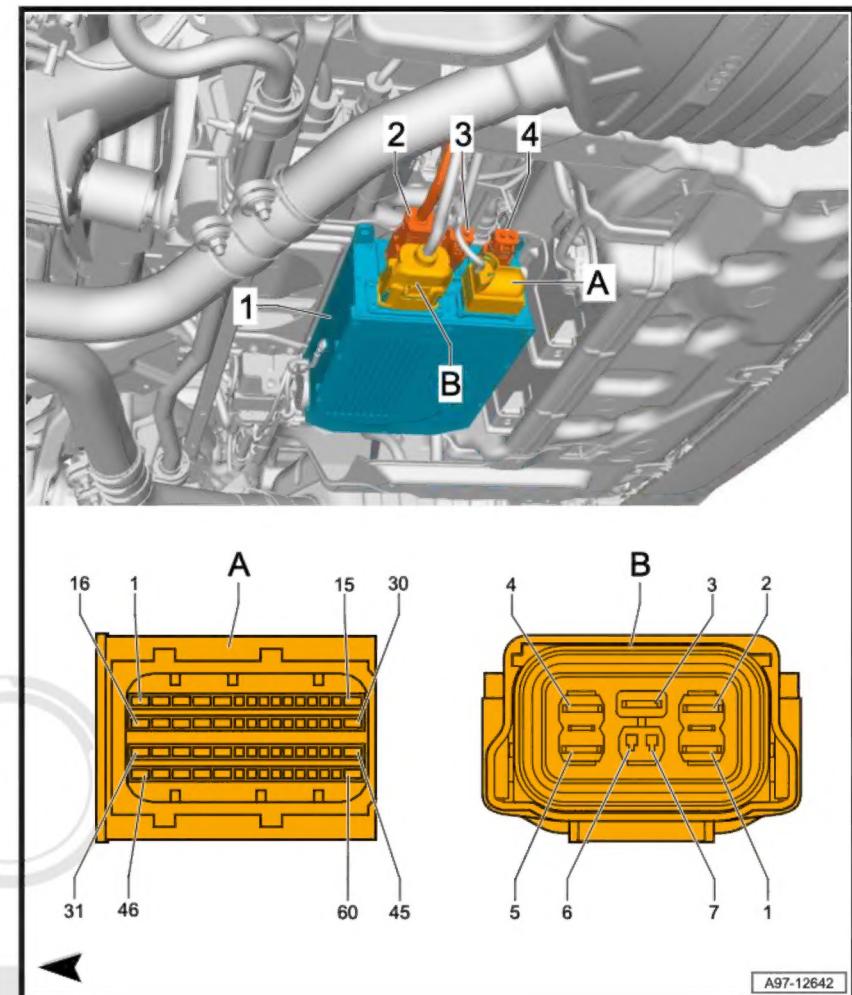
2 - High voltage battery charger high voltage wiring -P25-

3 - High voltage heating high voltage cable (PTC) -P11-

4 - Not used

A - 60-Pin Connector -T60a-, black

B - 8-Pin Connector -T8bl-, orange



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## Pin Arrangements High voltage battery charger 1 -AX4-

-T60a-(A)	Designation	-T60a-(A)	Designation	-T60a-(A)	Designation
1	Terminal 30, from Fuse Carrier 3 -ST3- in Fuse Panel F -SF-	21	Battery charging button module -EX32-	41	
2		22	Battery charging button module -EX32-	42	
3	Ground supply Battery charging button module -EX32-	23	High voltage battery charging socket 1 -UX4-	43	
4	Battery charging button module -EX32-	24	High voltage battery charging socket 1 -UX4-	44	
5	Battery charging button module -EX32-	25	Battery charging button module -EX32-	45	
6	Battery charging button module -EX32-	26	Battery charging button module -EX32-	46	
7		27	Charging socket temperature sensor 1 -G853- In the High voltage battery charging socket 1 -UX4-	47	
8	High voltage battery charging socket 1 -UX4-	28	Charging socket temperature sensor 1 -G853- In the High voltage battery charging socket 1 -UX4-	48	
9	CAN-Bus Hybrid High, to <b>B776</b> Hybrid CAN bus high connection 1 (in main wiring harness)	29		49	
10	CAN-Bus Hybrid Low, to <b>B777</b> Hybrid CAN bus low connection 1 (in main wiring harness)	30		50	
11		31	High voltage charge flap lock 1 adjuster -F496-	51	
12		32	High voltage charge flap lock 1 adjuster -F496-	52	
13		33		53	
14		34		54	
15		35		55	
16	High voltage connector lock 1 adjuster -F498- In the High voltage battery charging socket 1 -UX4-	36		56	
17	High voltage connector lock 1 adjuster -F498- In the High voltage battery charging socket 1 -UX4-	37		57	
18	High voltage connector lock 1 adjuster -F498- In the High voltage battery charging socket 1 -UX4-	38		58	

-T60a-(A)	Designation	-T60a-(A)	Designation	-T60a-(A)	Designation
19	High voltage connector lock 1 adjuster -F498- In the High voltage battery charging socket 1 -UX4-	39		59	
20		40		60	Terminal 31, to 396 Ground Connection 31 (in main wiring harness), 399 Ground Connection 34 (in main wiring harness), 51 Ground Connection (in luggage compartment, right)

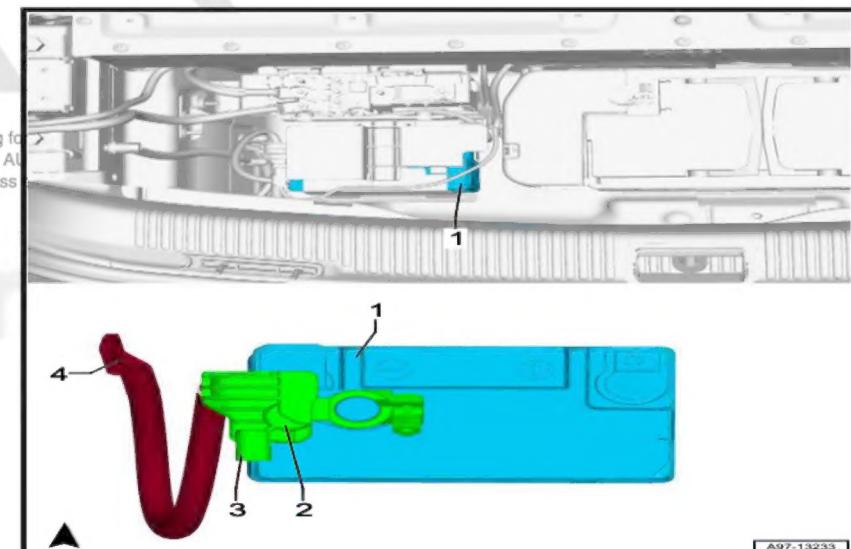
-T8bl- (B)	Designation	-T8bl- (B)	Designation
1	High voltage battery charging socket 1 -UX4-	5	High voltage battery charging socket 1 -UX4-
2		6	
3		7	
4	High voltage battery charging socket 1 -UX4-	8	Shielding

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## 1.57 Auxiliary Battery -A1- , from Week 47/2016

In left luggage compartment behind Hybrid Battery Unit -AX1- .

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- 1 - Auxiliary Battery -A1-
- 2 - Battery Monitoring Control Module 2 -J934-
- 3 - 2-Pin Connector -T2mu-
- 4 - 676 Ground Connection 2 (in left luggage compartment)

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